

12-3-138 v.5
12-31-07

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2007 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology **every quarter**. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO OUTFALL 001</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 2.6 | | NTU | GRAB | |
| pH | Consistent Attainment | 7.29 | | Standard Units | " | |
| Zinc (total) | Consistent Attainment | 151 | | µg/L | " | |
| Oil & Grease | Consistent Attainment | ND | | mg/L | Grab | |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>ROOF DRAIN TO OUTFALL 001</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | 7.29 | | Standard Units | GRAB | |
| Solids, Total Suspended | Consistent Attainment | ND | | mg/L | " | |

USEPA SF



1256899

LFC002341

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P. L. Brill

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

1 / 15 / 08

DATE: MO DAY YEAR

[Signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

SO3-000206D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORTMONITORING PERIOD for (year/quarter): 2007 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO OUTFALL 001</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 2.6 | | NTU | GRAB | |
| pH | Consistent Attainment | 7.29 | | Standard Units | " | |
| Zinc (total) | Consistent Attainment | 151 | | µg/L | " | |
| Oil & Grease | Consistent Attainment | ND | | mg/L | Grab | |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>ROOF DRAIN TO OUTFALL 001</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | 7.29 | | Standard Units | GRAB | |
| Solids, Total Suspended | Consistent Attainment | ND | | mg/L | " | |

LFC002343

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 31 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P. L. Brill

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

1/15/08
DATE: MO DAY YEAR

J. E. B. M.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

204-762-7170

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

January 17, 2008

Analytical Report for Service Request No: K0800257

Larry Gentile
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

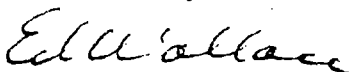
Dear Larry:

Enclosed are the results of the sample submitted to our laboratory on December 28, 2007. For your reference, these analyses have been assigned our service request number K0800257.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace
Project Chemist

EW/lb

Page 1 of 7

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

| Program | Number |
|------------------------|---------------|
| Alaska DEC UST | UST-040 |
| Arizona DHS | AZ0339 |
| Arkansas - DEQ | 88-0637 |
| California DHS | 2286 |
| Colorado DPHE | - |
| Florida DOH | E87412 |
| Hawaii DOH | - |
| Idaho DHW | - |
| Indiana DOH | C-WA-01 |
| Louisiana DEQ | 3016 |
| Louisiana DHH | LA050010 |
| Maine DHS | WA0035 |
| Michigan DEQ | 9949 |
| Minnesota DOH | 053-999-368 |
| Montana DPHHS | CERT0047 |
| Nevada DEP | WA35 |
| New Jersey DEP | WA005 |
| New Mexico ED | - |
| North Carolina DWQ | 605 |
| Oklahoma DEQ | 9801 |
| Oregon - DHS | WA200001 |
| South Carolina DHEC | 61002 |
| Utah DOH | COLU |
| Washington DOE | C1203 |
| Wisconsin DNR | 998386840 |
| Wyoming (EPA Region 8) | - |



00004

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Longview Fibre Paper and Packaging, Inc.
Project: Seattle Stormwater
Sample Matrix: Water

Service Request No.: K0800257
Date Received: 12/28/07

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 12/28/07. The sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

pH by SM 4500-H+ B

Solids, Total Suspended (TSS) by SM 2540 D

Total Suspended Solids and pH were added to sample Roof Drain past the recommended holding time. The analysis was performed as soon as possible. The data is flagged to indicate the holding time violation.

Approved by _____

Emw

Date

1/16/08

00005

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0800257
Date Collected : 12/27/07
Date Received : 12/28/07

pH

Analysis Method : SM 4500-H+ B
Test Notes :

Units : pH Units
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0800257-001 | - | 1 | 01/10/08 12:35 | 7.46 | X |

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CSKILLERN

00016

LFC002350

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0800257
Date Collected : 12/27/07
Date Received : 12/28/07

Solids, Total Suspended (TSS)

Analysis Method : SM 2540 D
Test Notes :

Units : mg/L
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K0800257-001 | 5 | 1 | 01/10/08 | ND | X |
| Method Blank | K0800257-MB | 5 | 1 | 01/10/08 | ND | |

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CSKILLERN

00007

LFC002351

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2007 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO CULVERT 401</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 3.7 | | NTU | GRAB | |
| pH | Consistent Attainment | 7.63 | | Standard Units | " | |
| Zinc (total) | Consistent Attainment | 54 | | µg/L | " | |
| Oil & Grease | Consistent Attainment | ND | | mg/L | Grab | |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>ROOF DRAIN TO CULVERT 401</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | 7.63 | | Standard Units | GRAB | |
| Solids, Total Suspended | Consistent Attainment | ND | | mg/L | " | |

October 30, 2007

Analytical Report for Service Request No: K0709247

Larry Gentile
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Larry:

Enclosed are the results of the sample submitted to our laboratory on October 09, 2007. For your reference, these analyses have been assigned our service request number K0709247.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAP standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace
Project Chemist

EW/lb

Page 1 of 14

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P. Larry Brice
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

11 2 2007
DATE: MO DAY YEAR

P. Larry Brice
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Larry R. Gentile

From: Larry R. Gentile [lrgentile@longfibre.com]
Sent: Monday, November 05, 2007 8:52 AM
To: 'josm461@ecy.wa.gov'
Subject: #rd Qtr. StormWater reporting
Attachments: 3rd qtr 2007 stormwater.pdf

Please confirm receipt. Have had e-mails bounced back previously and want to make sure this gets to you.
Regards,

11/8/2007

LFC002355

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

0002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

0003

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

| Program | Number |
|------------------------|---------------|
| Alaska DEC UST | UST-040 |
| Arizona DHS | AZ0339 |
| Arkansas - DEQ | 88-0637 |
| California DHS | 2286 |
| Colorado DPHE | - |
| Florida DOH | E87412 |
| Hawaii DOH | - |
| Idaho DHW | - |
| Indiana DOH | C-WA-01 |
| Louisiana DEQ | 3016 |
| Louisiana DHH | LA050010 |
| Maine DHS | WA0035 |
| Michigan DEQ | 9949 |
| Minnesota DOH | 053-999-368 |
| Montana DPHHS | CERT0047 |
| Nevada DEP | WA35 |
| New Jersey DEP | WA005 |
| New Mexico ED | - |
| North Carolina DWQ | 605 |
| Oklahoma DEQ | 9801 |
| Oregon - DHS | WA200001 |
| South Carolina DHEC | 61002 |
| Utah DOH | COLU |
| Washington DOE | C1203 |
| Wisconsin DNR | 998386840 |
| Wyoming (EPA Region 8) | - |



COLUMBIA ANALYTICAL SERVICES, INC.

Client: Longview Fibre & Packaging, Inc.
Project: Seattle Stormwater
Sample Matrix: Water

Service Request No.: K0709247
Date Received: 10/09/07

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 10/09/07. The sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

Solids, Total Suspended by SM 2540 D
pH by SM 4500-H+ B
Turbidity by EPA Method 180.1

Sample was received past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time violation.

Total Metals

No anomalies associated with the analysis of these samples were observed

Diesel Range Organics by EPA Method 8015B

No anomalies associated with the analysis of these samples were observed

Approved by _____

Emili Date 10/30/07

0005

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0709247
Date Collected : 09/30/07
Date Received : 10/09/07

Solids, Total Suspended (TSS)

Analysis Method : SM 2540 D
Test Notes :

Units : mg/L
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|--------------------------|---------------|-------------------------|
| Roof Drain | K0709247-001 | 5 | 1 | 10/09/07 | ND | X |
| Method Blank | K0709247-MB | 5 | 1 | 10/09/07 | ND | |

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

0006

Report By: CMIHAI-LAZAR

LFC002360

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0709247
Date Collected : 09/30/07
Date Received : 10/09/07

pH

Analysis Method : SM 4500-H+ B
Test Notes :

Units : pH Units
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0709247-001 | - | 1 | 10/09/07 13:44 | 7.63 | X |

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

0007

Report By: CMIHAJ-LAZAR

LFC002361

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0709247
Date Collected : 09/30/07
Date Received : 10/09/07

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0709247-001 | 0.2 | 1 | 10/09/07 15:35 | 3.7 | X |
| Method Blank | K0709247-MB | 0.2 | 1 | 10/09/07 15:35 | ND | |

0008

Report By: CMIHAI-LAZAR

LFC002362

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0709247

Sample Name :

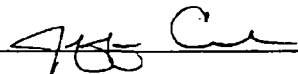
Roof Drain
Method Blank

Lab Code :

K0709247-001
K0709247-MB

Comments:

Approved By:



Date:

10/16/07

0009

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0709247
Date Collected : 09/30/07
Date Received : 10/09/07
Date Extracted : 10/10/07

Total Metals
 Units: ug/L (ppb)

| | | | |
|--------------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 7421 | 6010B |
| Method Reporting Limit: | 10 | 2.0 | 10 |
| Date Analyzed: | 10/11/07 | 10/12/07 | 10/11/07 |

| Sample Name | Lab Code | | | |
|--------------|--------------|----|----|----|
| Roof Drain | K0709247-001 | 11 | ND | 54 |
| Method Blank | K0709247-MB | ND | ND | ND |

Comments:

0010

LFC002364

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0709247
Date Collected: 9/30/2007
Date Received: 10/9/2007

Oil and Grease

Sample Name: Roof Drain
Lab Code: K0709247-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/11/2007 | 10/11/2007 | ND | |

Approved By: Cg Date: 10/16/07

1522/020597p

K0709247phc kcl - 1 10/16/2007

0011
Page No

LFC002365

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0709247
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank
Lab Code: K071011-WB
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/11/2007 | 10/11/2007 | ND | |

Approved By: g Date: 10/16/07
1522/020597p



CHAIN OF CUSTODY

SR#: 10709247

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE _____ OF _____ COC # _____

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|----------------|----------|---|---|--|--|--|--|---|--|--------------------------------|--|----------------------------|---------------------------------|---|--------------------|----------------------|--|---|--|---------|--|
| PROJECT NAME <u>SEATTLE STECHWATER</u> | | PROJECT NUMBER | | PROJECT MANAGER <u>LARRY GENTILE - LFPP1</u> | | COMPANY/ADDRESS <u>5101 EAST MARGINAL WAY SO.</u> | | CITY/STATE/ZIP <u>SEATTLE, WA 98134</u> | | E-MAIL ADDRESS <u>lgentile@longhorne.com</u> | | PHONE # <u>206-767-7170</u> | | FAX <u>206-767-2442</u> | | SAMPLER'S SIGNATURE <u>[Signature]</u> | | NUMBER OF CONTAINERS | | Semi-volatile Organics by GC/MS 825 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> Volatile Organics 824 <input type="checkbox"/> 8260 <input type="checkbox"/> Hydrocarbons (*see below) Gas <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> Fuel Fingerprint (FIO) <input type="checkbox"/> Oil & Grease/TPH <input type="checkbox"/> 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> PCB's <input type="checkbox"/> Aroclors <input type="checkbox"/> Congeners <input type="checkbox"/> 608 <input type="checkbox"/> 8081A <input type="checkbox"/> Chlorophenolics <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> Tri <input type="checkbox"/> Tetra <input type="checkbox"/> 8151M <input type="checkbox"/> PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/> PCP <input type="checkbox"/> Metals, Total or Dissolved (See list below) Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> Cd <input type="checkbox"/> Cond. <input type="checkbox"/> Cl <input type="checkbox"/> Cu <input type="checkbox"/> Pb <input type="checkbox"/> NO ₃ <input type="checkbox"/> BOD <input type="checkbox"/> TSS <input type="checkbox"/> PO ₄ <input type="checkbox"/> F <input type="checkbox"/> NO ₂ <input type="checkbox"/> NH ₃ -N <input type="checkbox"/> COD <input type="checkbox"/> Total-P <input type="checkbox"/> (circle) DOC (circle) NO ₂ +NO ₃ <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> | | REMARKS | |
| SAMPLE I.D. | DATE | TIME | LAB I.D. | MATRIX | | | | | | | | | | | | | REMARKS | | | | | | |
| ROFF DRAIN #1 | 9/3/07 | 1300 | | | | | | | | | | | | | | | TEST FOR ZINC | | | | | | |
| ROFF DRAIN #2 | 9/3/07 | 1300 | | | | | | | | | | | | | | | TEST FOR TURBIDITY | | | | | | |
| ROFF DRAIN #3 | 9/3/07 | 1300 | | | | | | | | | | | | | | | | | | | | | |
| REPORT REQUIREMENTS | | | | | INVOICE INFORMATION | | | | | Circle which metals are to be analyzed: | | | | | | | | | | | | | |
| I. Routine Report: Method Blank, Surrogate, as required | | | | | P.O. # _____ | | | | | Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | | | | | | | | | | |
| II. Report Dup., MS, MSD as required | | | | | Bill To: _____ | | | | | Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | | | | | | | | | | |
| III. Data Validation Report (includes all raw data) | | | | | TURNAROUND REQUIREMENTS | | | | | INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) | | | | | | | | | | | | | |
| IV. CLP Deliverable Report | | | | | 24 hr. _____ 48 hr. _____ | | | | | SPECIAL INSTRUCTIONS/COMMENTS: | | | | | | | | | | | | | |
| V. EDD | | | | | X 5 Day | | | | | TEST FOR ZINC | | | | | | | | | | | | | |
| | | | | | Standard (10-15 working days) | | | | | | | | | | | | | | | | | | |
| | | | | | Provide FAX Results | | | | | | | | | | | | | | | | | | |
| | | | | | Requested Report Date: _____ | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: <u>[Signature]</u> <u>10/8/07 0900</u> | | | | | RECEIVED BY: <u>[Signature]</u> <u>10/9/07 0930</u> | | | | | RELINQUISHED BY: | | | | | RECEIVED BY: | | | | | | | | |
| Signature <u>GENTILE</u> Date/Time <u>LFPP1</u> | | | | | Signature <u>[Signature]</u> Date/Time <u>0930</u> | | | | | Signature _____ Date/Time _____ | | | | | Signature _____ Date/Time _____ | | | | | | | | |
| Printed Name _____ Firm _____ | | | | | Printed Name _____ Firm _____ | | | | | Printed Name _____ Firm _____ | | | | | Printed Name _____ Firm _____ | | | | | | | | |

RCOC #1 06/03

LFC002367

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC LEJ

Client / Project: W. file Service Request K07 09247
Received: 10/9/12 Opened: 10/9/12 By: T. Reel

1. Samples were received via? US Mail Fed Ex UPS **DHL** GH GS PDX Courier Hand Delivered
2. Samples were received in: (circle) **Cooler** Box Envelope Other NA
3. Were custody seals on coolers? NA **Y** N If yes, how many and where? 1 front
If present, were custody seals intact? **Y** N If present, were they signed and dated? **Y** N
4. Is shipper's air-bill filed? If not, record air-bill number: 23853283650 NA Y **N**
5. Temperature of cooler(s) upon receipt (°C): 3.6
Temperature Blank (°C): 4.9
6. If applicable, list Chain-of-Custody Numbers: _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA **Y** N
8. Packing material used: Inserts Bubble Wrap **Gel Packs** Wet Ice Sleeves Other _____
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA **Y** N
10. Were all sample labels complete (i.e. analysis, preservation, etc.)? **Y** N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* **Y** N
12. Were the correct types of bottles used for the tests indicated? NA **Y** N
13. Were all of the preserved bottles received at the lab with the appropriate pH? *Indicate in the table below* NA **Y** N
14. Were VOA vials and 1631 Mercury bottles checked for absence of air bubbles? *Indicate in the table below.* **NA** Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? **NA** Y N
16. Was C12/Res negative? **NA** Y N

| Sample ID on Bottle | Sample ID on CDC | Sample ID on Bottle | Sample ID on CDC |
|---------------------|------------------|---------------------|------------------|
| | | | |
| | | | |
| | | | |
| | | | |

| Sample ID | Bottle Count | Bottle Type | Out of Temp | Head-space | Broken | pH | Reagent | Volume added | Reagent Lot Number | Initials |
|-----------|--------------|-------------|-------------|------------|--------|----|---------|--------------|--------------------|----------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |

Additional Notes, Discrepancies, & Resolutions: _____

0014



CHAIN OF CUSTODY

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE _____ OF _____ COC # _____

SR#:

| | | | | |
|---|-------------|-----------------------------------|-----------------|-----------------------------------|
| PROJECT NAME SEATTLE SEWAGEWATER | | | | |
| PROJECT NUMBER | | | | |
| PROJECT MANAGER LARRY GENTILE - LFPP1 | | | | |
| COMPANY/ADDRESS 5701 EAST MARGINAL WAY SO. | | | | |
| CITY/STATE/ZIP SEATTLE, WA 98134 | | | | |
| E-MAIL ADDRESS lgentile@longfibre.com | | | | |
| PHONE # 206-767-7170 FAX # 206-767-2442 | | | | |
| SAMPLER'S SIGNATURE | | | | |
| SAMPLE I.D. | DATE | TIME | LAB I.D. | MATRIX |
| ROOF DRAIN #1 | 9/30/07 | 1300 | | |
| ROOF DRAIN #2 | 9/30/07 | 1300 | | |
| ROOF DRAIN #3 | 9/30/07 | 1300 | | |
| NUMBER OF CONTAINERS | | | | |
| Semivolatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/> | | | | |
| Volatile Organics 824 <input type="checkbox"/> 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> BTEX <input type="checkbox"/> | | | | |
| Hydrocarbons (See below) <input type="checkbox"/> Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Oil <input type="checkbox"/> | | | | |
| Fuel Fingerprint (FIO) <input type="checkbox"/> NW-HCID Screen <input type="checkbox"/> | | | | |
| Oil & Grease/TRPH 1664 HEM <input type="checkbox"/> 1664 SGT <input type="checkbox"/> | | | | |
| PCB's Atollors <input type="checkbox"/> Congeners <input type="checkbox"/> | | | | |
| Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/> | | | | |
| Chlorophenolics Tri <input type="checkbox"/> Tetra <input type="checkbox"/> PAHS <input type="checkbox"/> 8310 <input type="checkbox"/> SIM <input type="checkbox"/> | | | | |
| Metals, Total or Dissolved (See list below) <input type="checkbox"/> | | | | |
| Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/> | | | | |
| pH <input type="checkbox"/> Cond. <input type="checkbox"/> Cl <input type="checkbox"/> 886 <input type="checkbox"/> PO4 <input type="checkbox"/> F <input type="checkbox"/> NO3 <input type="checkbox"/> BOD <input type="checkbox"/> TSS <input type="checkbox"/> DS <input type="checkbox"/> F <input type="checkbox"/> NO3 <input type="checkbox"/> NH3-N <input type="checkbox"/> COD <input type="checkbox"/> Total-P <input type="checkbox"/> TKN <input type="checkbox"/> TOC <input type="checkbox"/> TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/> | | | | |
| REMARKS | | | | |
| TEST FOR ZINC | | | | |
| TEST FOR TURBIDITY | | | | |
| REPORT REQUIREMENTS | | | | |
| <input type="checkbox"/> I. Routine Report: Method Blank, Surrogate, as required | | | | |
| <input type="checkbox"/> II. Report Dup., MS, MSD as required | | | | |
| <input type="checkbox"/> III. Data Validation Report (includes all raw data) | | | | |
| <input type="checkbox"/> IV. CLP Deliverable Report | | | | |
| <input type="checkbox"/> V. EDD | | | | |
| INVOICE INFORMATION | | | | |
| P.O. # | | | | |
| Bill To: | | | | |
| TURNAROUND REQUIREMENTS | | | | |
| <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. | | | | |
| <input checked="" type="checkbox"/> 5 Day | | | | |
| <input type="checkbox"/> Standard (10-15 working days) | | | | |
| <input type="checkbox"/> Provide FAX Results | | | | |
| Requested Report Date | | | | |
| CIRCLE which metals are to be analyzed: | | | | |
| Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | |
| Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | |
| *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE) | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS: | | | | |
| TEST FOR ZINC | | | | |
| COPY | | | | |
| RELINQUISHED BY: | | RECEIVED BY: | | RELINQUISHED BY: |
| Signature: [Signature] Date/Time: 10/8/07 0900 | | Signature: _____ Date/Time: _____ | | Signature: _____ Date/Time: _____ |
| Printed Name: GENTILE Firm: LFPP1 | | Printed Name: _____ Firm: _____ | | Printed Name: _____ Firm: _____ |

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2007 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO CULVERT #41</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>2.0</u> | | NTU | <u>GRAB</u> | |
| pH | Consistent Attainment | <u>7.16</u> | | Standard Units | <u>L</u> | |
| Zinc (total) | Consistent Attainment | <u>113</u> | | µg/L | <u>L</u> | |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | Grab | |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>ROOF DRAIN TO CULVERT #41</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>7.16</u> | | Standard Units | <u>GRAB</u> | |
| Solids, Total Suspended | Consistent Attainment | | | mg/L | | |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P. L. BRILL / GEORGE M. BRILL
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

8 10 2007
DATE: MO DAY YEAR

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

TOTAL SUSPENDED SOLIDS NOT TESTED FOR AT COLUMBIA ANALYTICAL
SAMPLES TAKEN, BUT NOT TESTED

INSTRUCTIONS

If you have more than one discharge point where you are sampling, you must submit a separate Discharge Monitoring Report (DMR) for each sampling location. You must submit the DMR every quarter, no later than 45 days after the end of each quarter (see below):

| | |
|---|----------------------------|
| First Quarter (January, February, March): | Not later than May 15 |
| Second Quarter (April, May, June): | Not later than August 14 |
| Third Quarter (July, August, September): | Not later than November 14 |
| Fourth Quarter (October, November, December): | Not later than February 14 |

1. **Permit Number:** Make sure the permit number listed at the top of the Discharge Monitoring Report (DMR) is the correct.
2. **Monitoring Period:** Complete the "Monitoring Period" information by writing in the year in which the sample was taken and checking the appropriate box.
3. **Company/Facility Information:** The company name, mailing address, facility name, facility location, and facility county information are already entered. The company name and address is the where you (the Permittee) have told Ecology to mail information about the industrial stormwater general permit. The facility name, location, and county is information about the site (location) that is covered by the permit. The company name and facility name may be the same. If any of the information is incorrect or if it changes, you must notify Ecology and change it on the DMR.
4. **Discharge Point:** In your monitoring plan you identified all points of discharge from your site and which discharge point or points you would sample. You write the same name or identifier here at "Discharge Point" as you used in your monitoring plan.
5. **No Qualifying Storm Check Box:** If you were not able to obtain a sample this quarter, you mark this box. At the bottom of the form you must then provide an explanation or comment. It can be as simple as "There were no storm events that occurred during normal working hours." or there may be other circumstances such as "Site was inactive during the entire quarter."
6. **Consistent Attainment Check Box:** For each listed pollutant, if you have been at or below benchmark values (see table on next page) for eight consecutive quarters, you can suspend analysis for the remainder of this permit but you must submit the DMR and mark this box.
7. **Reporting Values:** Write in the value (the number you measured or the lab supplied) for each listed pollutant in the column marked "Maximum".
 - a. **More than one event sampled:** You are only required to take one stormwater sample each quarter. If you do take samples at more than one storm event during the quarter then you must indicate how many events were sampled in the "events sampled" column.
 - b. **Average:** If you sampled more than one storm event, you must enter values under both the "Average" and "Maximum" columns. Enter the highest value under "Maximum" (this works for pH too) and the average value of your samples under "Average" (for pH enter the lowest value under "Average").
8. **Units:** Do not change the units but you must be careful to check the values that you are entering. Oil and Grease must be in milligrams per liter (mg/L, parts per million) and zinc in micrograms per liter ($\mu\text{g/L}$, parts per billion). Turbidity must be in nephelometric turbidity units (NTU) and pH must be between 0 and 14 standard units. If you have any questions, contact your lab.
9. **Sample Type:** This will typically be "grab" meaning you take a single, one-time sample and have it analyzed. Oil & Grease must be a grab sample. The permit allows composite samples for the other pollutants.
10. **Signature Box:** The DMR must be properly signed and dated. Only someone with signature authority as identified by permit general condition G17 (see next page) is authorized to sign the DMR. The DMR will be returned to you if there is any question whether or not the signature is an original or whether that person has authority to sign the DMR.
11. **Mail To:** Joyce M. Smith
Industrial Stormwater Permit Coordinator
Washington State Dept. of Ecology
PO Box 47696
Olympia, WA 98504-7696
Contact: Joyce Smith (360) 407-6858
josm@ecy.wa.gov
Internet Information:
<http://www.ecy.wa.gov/programs/wq/stormwater/>

Additional Information From the Permit

Benchmark Values:

The Permittee may suspend stormwater sampling and analysis for turbidity, pH, zinc, and petroleum based on consistent attainment of benchmark values. Consistent attainment is defined as eight consecutive quarters (any quarter with no stormwater discharge is not counted) where the reported values are equal to or less than the benchmark values. For pH equal to or less than the benchmark values means that the pH did not exceed 9 and was not less than 6.

Benchmark values are not water quality standards and are not permit limits. They are indicator values. Values at or below benchmark are considered unlikely to cause a water quality violation.

| Parameter | Benchmark Value |
|----------------------------|-----------------|
| Turbidity | 25 NTU |
| pH | 6 - 9 SU |
| Total Zinc | 117 µg/L |
| Petroleum - Oil and Grease | 15 mg/L |

G17. Signatory Requirements

All applications, reports, or information submitted to Ecology shall be signed and certified.

- A. In the case of a municipal, State or other public facility, all permit applications shall be signed by a principal executive officer or ranking elected official. In the case of a corporation, partnership, or sole proprietorship, all permit applications shall be signed by either a principal executive officer of at least the level of vice president of a corporation, a general partner of a partnership, or the proprietor of a sole proprietorship.
- B. All reports required by this permit and other information requested by Ecology shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 1. The authorization is made in writing by a person described above and submitted to Ecology.
 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
- C. Changes to authorization. If an authorization under paragraph B.2 above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph B.2 above must be submitted to Ecology prior to or together with any reports, information, or applications to be signed by an authorized representative.

Larry R. Gentile

From: Mail Delivery Subsystem [MAILER-DAEMON@longfibre.com]
Sent: Thursday, August 23, 2007 7:48 AM
To: lrgentile@longfibre.com
Subject: Returned mail: see transcript for details

Attachments: <No Subject>



<No Subject>

The original message was received at Thu, 23 Aug 2007 07:46:57 -0700 (PDT)
from f5snat.longfibre.com [10.254.7.76]

----- The following addresses had permanent fatal errors ----- <josm@ecy.wa.gov>
(reason: 550 Mailbox unavailable or access denied - <josm@ecy.wa.gov>)

. ----- Transcript of session follows ----- when talking to ESMTTP. while trying to
contact ecymxlcy00.ecy.wa.gov.:
>>> RCPT To:<josm@ecy.wa.gov> NOTIFY=FAILURE,DELAY
<<< 550 Mailbox unavailable or access denied - <josm@ecy.wa.gov> 550 5.1.1
<josm@ecy.wa.gov>... User unknown

Hard copy into mail

8-23-07

Larry R. Gentile

From: Larry R. Gentile [lrgentile@longfibre.com]

Sent: Thursday, August 23, 2007 7:46 AM

To: 'josm@ecy.wa.gov'

Attachments: StormWater DMR 2nd qtr 2007.pdf

Good Morning. I am the one who will be taking over Mike Anderson's duties regarding the Environmental program here. Unfortunately i was somewhat 'thrown' into the project but am quickly 'catching up'! Attached is the 2nd qtr dmr in pdf format. I trust that will work for you however if you prefer another form of transmission of the document i can accomodate that as well. Just let me know your needs in this regard.

Sincerely,

8/23/2007

LFC002375

June 6, 2007

Analytical Report for Service Request No: K0703784

Mike Anderson
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

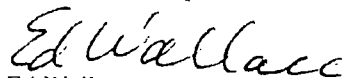
Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on May 04, 2007. For your reference, these analyses have been assigned our service request number K0703784.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAP standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace
Project Chemist

EW/lb

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Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

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Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA)
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

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Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

| Program | Number |
|------------------------|---------------|
| Alaska DEC UST | UST-040 |
| Arizona DHS | AZ0339 |
| Arkansas - DEQ | 88-0637 |
| California DHS | 2286 |
| Colorado DPHE | - |
| Florida DOH | E87412 |
| Hawaii DOH | - |
| Idaho DHW | - |
| Indiana DOH | C-WA-01 |
| Louisiana DEQ | 3016 |
| Louisiana DHH | LA050010 |
| Maine DHS | WA0035 |
| Michigan DEQ | 9949 |
| Minnesota DOH | 053-999-368 |
| Montana DPHHS | CERT0047 |
| Nevada DEP | WA35 |
| New Jersey DEP | WA005 |
| New Mexico ED | - |
| North Carolina DWQ | 605 |
| Oklahoma DEQ | 9801 |
| Oregon - DHS | WA200001 |
| South Carolina DHEC | 61002 |
| Utah DOH | COLU |
| Washington DOE | C1203 |
| Wisconsin DNR | 998386840 |
| Wyoming (EPA Region 8) | - |



00004

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K0703784
Date Collected : 05/02/07
Date Received : 05/04/07

pH

Analysis Method : SM 4500-H+B
Test Notes :

Units : pH Units
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0703784-001 | - | 1 | 05/05/07 15:59 | 7.16 | |

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Report By: CSKILLERN

00005

LFC002380

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K0703784
Date Collected : 05/02/07
Date Received : 05/04/07

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0703784-001 | 0.2 | 1 | 05/04/07 14:35 | 2.0 | |
| Method Blank | K0703784-MB | 0.2 | 1 | 05/04/07 14:35 | ND | |

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Report By: CSKILLERN

LFC002381

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0703784

Sample Name :

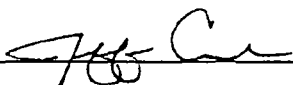
Roof Drain
Method Blank

Lab Code :

K0703784-001
K0703784-MB

Comments:

Approved By: _____



Date: _____

6/5/07

00008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K0703784
Date Collected : 05/02/07
Date Received : 05/04/07

Solids, Total Suspended (TSS)

Analysis Method : SM 2540D
Test Notes :

Units : mg/L
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|-----------------|---------------|--------|--------------|
| Roof Drain | K0703784-001 | 5 | 1 | 05/05/07 | ND | |
| Method Blank | K0703784-MB | 5 | 1 | 05/05/07 | ND | |

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

00007

Report By: CSKILLERN

LFC002383

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0703784
Date Collected : 05/02/07
Date Received : 05/04/07
Date Extracted : 05/23/07

Total Metals
 Units: ug/L (ppb)

| | | | |
|--------------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 7421 | 6010B |
| Method Reporting Limit: | 10 | 2.0 | 10 |
| Date Analyzed: | 05/24/07 | 05/29/07 | 05/24/07 |

| Sample Name | Lab Code | | | |
|--------------|--------------|----|----|-----|
| Roof Drain | K0703784-001 | 21 | ND | 113 |
| Method Blank | K0703784-MB | ND | ND | ND |

Comments:

00009

LFC002384

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0703784
Date Collected: 5/2/2007
Date Received: 5/4/2007

Oil and Grease

Sample Name: Roof Drain
Lab Code: K0703784-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 5/15/2007 | 5/16/2007 | ND | |

Approved By: George Kellner Date: 5/18/07

1522/020597p

K0703784phc kc1 - 1 5/18/2007

00010

Page No

LFC002385

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0703784
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank
Lab Code: K070515-WB
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|-------------|-----------------|-----|-----------------|----------------|---------------|--------|--------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 5/15/2007 | 5/15/2007 | ND | |

Approved By: George Keltner Date: 5/18/07

1522/020597p

K0703784phc kc1 - MB 5/18/2007

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Page No.

LFC002386

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC ED

Client / Project: Seattle Service Request K07 03784
Received: 5/4/02 Opened: 5/4/02 By: T. S. Lee

1. Samples were received via? US Mail Fed Ex UPS DHL GH GS PDX Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Envelope Other NA
3. Were custody seals on coolers? NA Y N If yes, how many and where? 1 - sides
If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: NA Y N
5. Temperature of cooler(s) upon receipt (°C): 2.6
Temperature Blank (°C): 3.9
6. If applicable, list Chain of Custody Numbers: _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Packing material used. Inserts Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
9. Did all bottles arrive in good condition (unbroken)? Indicate in the table below. Y N
10. Were all bottle labels complete (i.e. analysis, preservation, etc.)? Y N
11. Did all bottle labels and tags agree with custody papers? Indicate in the table below. Y N
12. Were the correct types of bottles used for the tests indicated? Y N
13. Were all of the preserved bottles received at the lab with the appropriate pH? Indicate in the table below. NA Y N
14. Were VOA vials and 1631 Mercury bottles checked for absence of air bubbles? Indicate in the table below. NA Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? NA Y N
16. Was C12/Res negative? NA Y N

| Sample ID on Bottle | Sample ID on COC | Sample ID on Bottle | Sample ID on COC |
|---------------------|------------------|---------------------|------------------|
| | | | |
| | | | |
| | | | |
| | | | |

| Sample ID | Bottle Count | Bottle Type | Out of Temp | Head-space | Broken | pH | Reagent | Volume added | Reagent Lot Number | Initials |
|-----------|--------------|-------------|-------------|------------|--------|----|---------|--------------|--------------------|----------|
| | | | | | | | | | | |
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Additional Notes, Discrepancies, & Resolutions: _____

00013



CHAIN OF CUSTODY

SR#: K0703784

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE _____ OF _____ COC # _____

| PROJECT INFORMATION | | | | | NUMBER OF CONTAINERS | | ANALYSIS METHODS | | | | | | | | | | | | | | | REMARKS | | | | | | | | | | | | | |
|---|----------------|---------------------|--|----------------|--------------------------|--------------|------------------|---------------------|-------------------------------|--------|------|----------|--------|-------------------------------------|--------------------------|--------------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|---|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------|--|
| PROJECT NAME | PROJECT NUMBER | PROJECT MANAGER | COMPANY/ADDRESS | CITY/STATE/ZIP | E-MAIL ADDRESS | PHONE | FAX | SAMPLER'S SIGNATURE | SAMPLE I.D. | DATE | TIME | LAB I.D. | MATRIX | Semivolatile Organics by GC/MS | Volatile Organics | Hydrocarbons | Gas | Oil & Grease | PCBs | Pesticides/Herbicides | Chlorophenolics | PAHS | Metals | Cyanide | PH | Cond. Cl ⁻ SO ₄ ²⁻ | NO ₃ ⁻ BOD | NH ₃ -N | CO ₂ | DOC | TOX | AOX | 506 | | |
| SEATTLE STORMWATER | | LARRY GENILE - LFPP | 5901 EAST MARGINAL WAY S SEATTLE WA 98134 | | lrgentile@larryfibre.com | 206-762-7170 | 206-767-2442 | [Signature] | #1 R/F DRAIN | 5/2/07 | 0630 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | TEST FOR ZINC | |
| | | | | | | | | | #2 R/F DRAIN | 5/2/07 | 0630 | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | TEST FOR ZINC | |
| | | | | | | | | | #3 R/F DRAIN | 5/2/07 | 0630 | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | TEST FOR TURBIDITY | |
| REPORT REQUIREMENTS | | | | | | | | | INVOICE INFORMATION | | | | | | | | | SPECIAL INSTRUCTIONS/COMMENTS | | | | | | | | | | | | | | | | | |
| <p>I. Routine Report: Method Blank, Surrogate, as required</p> <p>II. Report Dup., MS, MSD as required</p> <p>III. Data Validation Report (includes all raw data)</p> <p>IV. CLP Deliverable Report</p> <p>V. EDD</p> | | | | | | | | | P.O. # _____ | | | | | | | | | Circle which metals are to be analyzed: | | | | | | | | | | | | | | | | | |
| | | | | | | | | | Bill To: _____ | | | | | | | | | Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | | | | | | | | | | | | | | |
| TURNAROUND REQUIREMENTS | | | | | | | | | SPECIAL INSTRUCTIONS/COMMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>24 hr. _____ 48 hr. _____</p> <p>5 Day _____</p> <p><input checked="" type="checkbox"/> Standard (10-15 working days)</p> <p>Provide FAX Results _____</p> <p>Requested Report Date _____</p> | | | | | | | | | TEST FOR ZINC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: | | | | | | | | | RECEIVED BY: | | | | | | | | | RELINQUISHED BY: | | | | | | | | | RECEIVED BY: | | | | | | | | |
| [Signature] 5/2/07 1300 | | | | | | | | | [Signature] 5/4/07 1000 | | | | | | | | | [Signature] _____ | | | | | | | | | [Signature] _____ | | | | | | | | |
| GENTILE LFPP | | | | | | | | | [Signature] CAS | | | | | | | | | [Signature] _____ | | | | | | | | | [Signature] _____ | | | | | | | | |
| Printed Name Firm | | | | | | | | | Printed Name Firm | | | | | | | | | Printed Name Firm | | | | | | | | | Printed Name Firm | | | | | | | | |

RCOC #1 06/03

LFC002388

Columbia Analytical Services, Inc. General Terms and Conditions
Laboratory Services • 1-800-695-7222

1. *These Terms and Conditions embody the whole agreement of the parties, in the absence of a signed and executed contract between the Laboratory ("LAB") and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to LAB. The invalidity or unenforceability, in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state from which services are procured.*

2. **Warranty.** Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services; obtain findings and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

At LAB sole discretion, preliminary results may be given in advance of the laboratory report. Such preliminary results are tentative, subject to confirmation and final review by LAB. Client's use of preliminary results in any manner shall be at Client's sole risk.

3. **Scope and Compensation.** LAB agrees to perform the services described in the proposal or agreement to which these Terms and Conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1 1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sales, use or other taxes. Such taxes will be added to invoice prices when required. LAB reserves the right to require payment prior to release of data. Until such time as Client invoices are paid in full, LAB has no obligation, and will not defend, reproduce, return, or supplement data results.

4. **Prices.** Compensation for services performed will be based on the current Lab Analytical Fee Schedule, or on verbal quotations agreed to in writing by the parties. Unless specifically indicated on the written confirmation of quotation, analytical turnaround times are not guaranteed. The minimum charge will be \$100.00 unless otherwise noted.

5. **Methods.** Where applicable, LAB will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection Agency (EPA), State Agency, American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies. LAB reserves the right to deviate from these methodologies, if necessary or appropriate, due to the nature or composition of the sample or otherwise, based on the reasonable judgment of LAB. Deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or LAB's standard operating procedures.

6. **Limitations of Liability.** In the event of any error, omission or other professional negligence, the sole and exclusive responsibility of LAB shall be to reperform the deficient work at its own expense, and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation or responsibility of any kind for losses, costs, expenses or other damages (including but not limited to any special, indirect, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients, and LAB is in no way responsible for the use of such results by clients or third parties. All results should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of the results.

7. **Hazard Disclosure.** Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance which is to be delivered to LAB will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.

8. **Sample Handling.** Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss of or damage to such sample remains

with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from LAB's premises.

LAB will use its best efforts to arrange for the shipment of specially prepared sample bottles, sampling instructions per Client instruction by the readily available, least cost method. Any other shipment arrangements will be at Client's expense.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis, unless modified by applicable state or federal laws. Client will be required to give in LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample which, in the sole judgment of LAB, (a) is of unsuitable volume, (b) may be or become unsuitable for, or may pose a risk in handling, transport or processing for any health, safety, environmental or other reason, whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) has been delivered to the LAB more than 72 hours after sampling or if one half or more of the recommended holding time for the analysis has lapsed.

9. **Legal Responsibility.** LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort, including negligence.

10. **Data Deliverables.** Where specifically requested by Client, LAB agrees to produce electronic data representing services performed hereunder, subject to the following specific understanding between the parties: LAB agrees to supply Client with electronic data as mutually defined, using an agreed medium. Client recognizes that LAB is not a software consultant, manufacturer or reseller; any transfer of electronic data pursuant to services provided by LAB is an accommodation to and strictly for the convenience of the client who is solely liable for the choice and maintenance of the medium utilized. Electronic data provided under this agreement is not deemed to be the project deliverable for the purpose of fulfilling obligations under the Agreement. The provision of electronic data does not in any way modify the intention of the parties that the Client rely on the written or hard copy form of the deliverable.

Except with regard to any limited warranty as specifically set forth below, LAB disclaims and excludes all warranties express or implied with regard to the creation, transmittal or use of electronic data hereunder. The limited warranty in this Agreement replaces all other warranties, express or implied, including any warranties of merchantability or fitness for a particular purpose. Professional warranties extend to written or hard copy deliverables only and do not extend to electronic data supplied to Client. Professional warranties in the Agreement which extend to written or hard copy deliverables shall be undisturbed by this Amendment. LAB's liability for medium failure shall be limited to replacement of the electronic data with a hard copy for a period of thirty days from the date of delivery. LAB's electronic data transfer is derived in part from or is created using third party software, and no such third party warrants or assumes any liability regarding use of or undertakes to provide support information relating to LAB's electronic data. LAB will utilize anti-virus programs on a best efforts basis in preparation of the electronic data transfer, but LAB makes no warranty as to the effectiveness of such screening. LAB will also use its best efforts to ensure that its electronic data will meet all criteria as specified by Client, including criteria regarding date/time data, if, and when, included; but LAB makes no warranty as to the appropriateness of the client specified criteria by accepting the same.

In addition to indemnities contained in the underlying agreement between LAB and Client, Client shall hold LAB harmless from any claims, suits or liability arising from or related to electronic data supplied pursuant to this Agreement. Any reuse of original or altered files by Client shall be at Client's risk and without liability or responsibility to LAB, but shall entitle LAB to additional compensation for such unauthorized reuse. In no event will LAB's liability for electronic data include any special, incidental or consequential damages, whether or not LAB has knowledge of the potential for loss or damage.

11. **Force Majeure.** LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2007 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>3.0</u> | | NTU | <u>Grab</u> | <u>1</u> |
| pH | Consistent Attainment | <u>6.94</u> | | Standard Units | <u>"</u> | <u>1</u> |
| Zinc (total) | Consistent Attainment | <u>102</u> | | µg/L | <u>"</u> | <u>1</u> |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | <u>Grab</u> | <u>1</u> |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>6.94</u> | | Standard Units | <u>Grab</u> | <u>1</u> |
| Solids, Total Suspended | Consistent Attainment | | | mg/L | | |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P. L. Brill / VP Production West Coast

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

4 12 2007
DATE: MO DAY YEAR

[Signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Total suspended solids not tested for at Columbia Analytical. Samples taken, but not tested

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K0701931
Date Collected : 03/08/07
Date Received : 03/09/07

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|-------------------|--------------|-----|--------------------|-----------------------|--------|-----------------|
| #1,2,3 Roof Drain | K0701931-001 | 0.2 | 1 | 03/09/09 02:20 | 3.0 | |
| Method Blank | K0701931-MB | 0.2 | 1 | 03/09/09 02:20 | ND | |

Report By: CSKILLERN

• 00016

LFC002392

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K0701931
Date Collected : 03/08/07
Date Received : 03/09/07

pH

Analysis Method : 150.1
Test Notes :

Units : pH Units
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| #1,2,3 Roof Drain | K0701931-001 | - | 1 | 03/05/07 | 6.94 | |

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0701931
Date Collected : 03/08/07
Date Received : 03/09/07
Date Extracted : 03/19/07

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 04/04/07

| Sample Name | Lab Code | |
|-------------------|--------------|-----|
| #1,2,3 Roof Drain | K0701931-001 | 102 |
| Method Blank | K0701931-MB | ND |

Comments:

00008

LFC002394

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
 Project: Seattle Stormwater
 Sample Matrix: Water

Service Request: K0701931
 Date Collected: 3/8/2007
 Date Received: 3/9/2007

Oil and Grease

Sample Name: #1,2,3 Roof Drain Units: mg/L (ppm)
 Lab Code: K0701931-001 Basis: NA
 Test Notes:

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|-------------|-----------------|-----|-----------------|----------------|---------------|--------|--------------|
| Oil and Grease, Total (HEM) | METHOD | 1654 | 5.0 | 1 | 3/13/2007 | 3/14/2007 | ND | |

Approved By: George Kettler Date: 3/16/07

IS22/020597p

K0701931(phc.kc) - 1 3/16/2007

Page No.

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LFC002395

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Longview Fibre Paper & Packaging Inc
Seattle Stormwater
Water

Service Request: K0701931
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name:
Lab Code:
Test Notes:

Method Blank
K070313-WB

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 3/13/2007 | 3/14/2007 | ND | |

Approved By: George Keltner Date: 3/18/07

1S22/020597p

K0701931phc.kci - MB 3/16/2007

Page No

00010

LFC002396

1317 South 13th, Kelso, WA 98626
(360) 577-7222 FAX (360) 636-1068

SR# 1207019
PAGE OF

SR# 160701930

PAGE OF

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[illegible]

LFC002397

**Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form**

PC 4

Client / Project: FIBRE Service Request K07 01931

Received: 3/14/07 Opened: 3/14/07 By: AL

1. Samples were received via? US Mail UPS DHL Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Envelope Other NA
3. Were custody seals on coolers? NA Y N If yes, how many and where? IF 1B
- If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: NA Y N

5. Temperature of cooler(s) upon receipt (°C): 6.1
- Temperature Blank (°C): 6.9
6. If applicable, list Chain of Custody Numbers: _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Packing material used. Inserts Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* Y N
10. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y N
11. Did all bottle labels and tags agree with custody papers? *Indicate in the table below* Y N
12. Were the correct types of bottles used for the tests indicated? Y N
13. Were all of the preserved bottles received at the lab with the appropriate pH? *Indicate in the table below* NA Y N
14. Were VOA vials and 1631 Mercury bottles checked for absence of air bubbles? *Indicate in the table below.* NA Y N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? NA Y N
16. Was C12/Res negative? NA Y N

| Sample ID on Bottle | Sample ID on COC | Sample ID on Bottle | Sample ID on COC |
|---------------------|------------------|---------------------|------------------|
| | | | |
| | | | |
| | | | |
| | | | |

| Sample ID | Bottle Count | Bottle Type | Out of Temp | Head-space | Broken | pH | Reagent | Volume added | Reagent Lot Number | Initials |
|-----------|--------------|-------------|-------------|------------|--------|----|---------|--------------|--------------------|----------|
| | | | | | | | | | | |
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| | | | | | | | | | | |

Additional Notes, Discrepancies, & Resolutions: _____

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0701931

Sample Name :
#1,2,3 Roof Drain
Method Blank


Lab Code :
K0701931-001
K0701931-MB

Comments:

Approved By: _____



Date: _____



00007

LFC002399

April 6, 2007

Analytical Report for Service Request No: K0701931

Mike Anderson
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on March 09, 2007. For your reference, these analyses have been assigned our service request number K0701931.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/lmb

Page 1 of 12

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

• 00013

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

| Program | Number |
|------------------------|---------------|
| Alaska DEC UST | UST-040 |
| Arizona DHS | AZ0339 |
| Arkansas - DEQ | 88-0637 |
| California DHS | 2286 |
| Colorado DPHE | - |
| Florida DOH | E87412 |
| Hawaii DOH | - |
| Idaho DHW | - |
| Indiana DOH | C-WA-01 |
| Louisiana DEQ | 3016 |
| Louisiana DHH | LA050010 |
| Maine DHS | WA0035 |
| Michigan DEQ | 9949 |
| Minnesota DOH | 053-999-368 |
| Montana DPHHS | CERT0047 |
| Nevada DEP | WA35 |
| New Jersey DEP | WA005 |
| New Mexico ED | - |
| North Carolina DWQ | 605 |
| Oklahoma DEQ | 9801 |
| Oregon - DHS | WA200001 |
| South Carolina DHEC | 61002 |
| Utah DOH | COLU |
| Washington DOE | C1203 |
| Wisconsin DNR | 998386840 |
| Wyoming (EPA Region 8) | - |



• 00004

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2006 year Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology **every quarter**. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>1.2</u> | | NTU | <u>Grab</u> | <u>1</u> |
| pH | Consistent Attainment | <u>5.21</u> | | Standard Units | <u>"</u> | <u>"</u> |
| Zinc (total) | Consistent Attainment | <u>102</u> | | µg/L | <u>"</u> | <u>"</u> |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | <u>Grab</u> | <u>"</u> |

Monitoring associated with impaired waterbodies:

| Discharge Point _____ | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>5.21</u> | | Standard Units | | <u>1</u> |
| Solids, Total Suspended | Consistent Attainment | | | mg/L | | |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P.L. Bruck / V.P. Production West Region

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

1 - 22 - 07

DATE: MO DAY YEAR

OR Bruck

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Total suspended solids not tested for at Columbia Analytical.
Samples taken, but not tested.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0700158
Date Collected : 12/05/06
Date Received : 01/08/07

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| #1,2,3 Roof Drain | K0700158-001 | 0.2 | 1 | 01/08/07 14:40 | 1.2 | X |
| Method Blank | K0700158-MB | 0.2 | 1 | 01/08/07 14:40 | ND | |

Report By: EMihaila

LFC002406

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0700158
Date Collected : 12/05/06
Date Received : 01/08/07

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| #1,2,3 Roof Drain | K0700158-001 | - | 1 | 01/09/07 16:30 | 5.21 | |

Report By: EMihaila

LFC002407

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. :
Matrix : Water

Service Request : K0700158
Date Collected : 12/05/06
Date Received : 01/08/07
Date Extracted : 01/08/07

Total Metals

Sample Name : #1,2,3 Roof Drain
Lab Code : K0700158-001

Units : ug/L (ppb)
Basis : NA

| Analyte | Analysis Method | MRL | Date Analyzed | Sample Result | Result Notes |
|----------------|------------------------|------------|----------------------|----------------------|---------------------|
| Copper | 6010B | 10 | 01/11/07 | ND | |
| Lead | 7421 | 2.0 | 01/09/07 | ND | |
| Zinc | 6010B | 10 | 01/11/07 | 102 | |

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

| | | |
|-----------------------|--------------------------------------|----------------------------------|
| Client: | Longview Fibre Paper & Packaging Inc | Service Request: K0700158 |
| Project: | Seattle Stormwater | Date Collected: 12/5/2006 |
| Sample Matrix: | Water | Date Received: 1/8/2007 |

Oil and Grease

| | | |
|---------------------|-------------------|--------------------------|
| Sample Name: | #1,2,3 Roof Drain | Units: mg/L (ppm) |
| Lab Code: | K0700158-001 | Basis: NA |
| Test Notes: | | |

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|--------------------|------------------------|------------|------------------------|-----------------------|----------------------|---------------|---------------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 1/12/2007 | 4/12/2007 | ND | |

Approved By: George Keltner Date: 1/15/07

15226720597p

K0700158pnc001 - 1/15/2007

Page No.:

LFC002409

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

| | | |
|-----------------------|--------------------------------------|----------------------------------|
| Client: | Longview Fibre Paper & Packaging Inc | Service Request: K0700158 |
| Project: | Seattle Stormwater | Date Collected: NA |
| Sample Matrix: | Water | Date Received: NA |

Oil and Grease

| | | |
|---------------------|--------------|--------------------------|
| Sample Name: | Method Blank | Units: mg/L (ppm) |
| Lab Code: | K070112-WB | Basis: NA |
| Test Notes: | | |

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|------------------------|----------------------------|------------|----------------------------|---------------------------|--------------------------|---------------|-------------------------|
| Oil and Grease; Total (HEM) | METHOD | 1664 | 5.0 | 1 | 1/12/2007 | 1/12/2007 | ND | |

Approved By: George Kallfuss Date: 1/15/07

1522/020397p

K0700158phc1 - MB 1/15/2007

Page No.:

LFC002410

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. :
Matrix : Water

Service Request : K0700158
Date Collected : NA
Date Received : NA
Date Extracted : 01/08/07

Total Metals

Sample Name : Method Blank
Lab Code : K0700158-MB

Units : ug/L (ppb)
Basis : NA

| Analyte | Analysis Method | MRL | Date Analyzed | Sample Result | Result Notes |
|----------------|------------------------|------------|----------------------|----------------------|---------------------|
| Copper | 6010B | 10 | 01/11/07 | ND | |
| Lead | 7421 | 2.0 | 01/09/07 | ND | |
| Zinc | 6010B | 10 | 01/11/07 | ND | |

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -

INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. :

Service Request : K0700158

Sample Name :

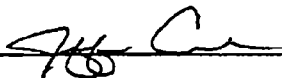
#1,2,3 Roof Drain
#1 Decanting
Method Blank

Lab Code :

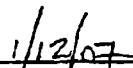
K0700158-001
K0700158-002
K0700158-MB

Comments:

Approved By: _____



Date: _____



**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC ED

Project/Client mg fiber Service Request K07 00158
Cooler received on 1/8/07 and opened on 1/8/07 by F. Blar

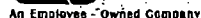
1. Were custody seals on outside of coolers? ☒ N
If yes, how many and where? 1-sides
2. Were custody seals intact? ☒ N
3. Were signature and date present on the custody seals? ☒ N
4. Is the shipper's airbill available and filed? If no, record airbill number: 62287114842 Y ☒
5. COC# _____
Temperature of cooler upon receipt: (°C) 6.3 _____
Temperature Blank (°C) 4.1 _____
Were samples hand covered on the same day as collection? Y ☒
6. Were custody papers properly filled out (signed, etc.)? ☒ N
7. Type of packing material present gel packs
8. Did all bottles arrive in good condition (unbroken)? ☒ N
9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ N
10. Did all bottle labels and tags agree with custody papers? ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y ☒
14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below? Y ☒
15. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
16. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? Y ☒
17. Was C12/Res negative? Y ☒

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
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SR#: 10 F00138

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PAGE 1 OF 1 COC#

RCOC #1 06/03

LFC002414

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2006 year Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall DO1</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>2.5</u> | | NTU | <u>Grab</u> | |
| pH | Consistent Attainment | <u>6.98</u> | | Standard Units | <u>11</u> | |
| Zinc (total) | Consistent Attainment | <u>106</u> | | µg/L | <u>11</u> | |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | <u>Grab</u> | |

Monitoring associated with impaired waterbodies:

| Discharge Point _____ | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>6.98</u> | | Standard Units | <u>Grab</u> | |
| Solids, Total Suspended | Consistent Attainment | <u>ND</u> | | mg/L | <u>11</u> | |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

P. L. BAILL
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

10 16 2006
DATE: MO DAY YEAR

JL BULL
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0608376-001 | 0.2 | 1 | 09/29/06 15:05 | 2.5 | X |
| Method Blank | K0608376-MB | 0.2 | 1 | 09/29/06 15:05 | ND | |

Report By: Agreer

00007

LFC002417

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|-------------|--------------|-----|--------------------|-----------------------|--------|-----------------|
| Roof Drain | K0608376-001 | - | 1 | 09/29/06 21:09 | 6.98 | |

Report By: Agreer

00005

LFC002418

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06
Date Extracted : 09/29/06

Total Metals
Units: ug/L (ppb)

| | | | |
|-------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 7421 | 6010B |
| Method Reporting Limit: | 10 | 2.0 | 10 |
| Date Analyzed: | 10/03/06 | 10/02/06 | 10/03/06 |

| Sample Name | Lab Code | | | |
|--------------|--------------|----|----|-----|
| Roof Drain | K0608376-001 | 12 | ND | 106 |
| Method Blank | K0608376-MB | ND | ND | ND |

Comments:

00009

LFC002419

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0608376
Date Collected: 9/20/2006
Date Received: 9/29/2006

Oil and Grease

Sample Name: Roof Drain
Lab Code: K0608376-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/3/2006 | 10/3/2006 | ND | |

Approved By: Ma

Date: 10/3/06

1522/020597p

K0608376phc kz1 - 1 10/3/2006

Page No

00010

LFC002420

October 9, 2006

Service Request No: K0608376

Mike Anderson
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on September 29, 2006. For your reference, these analyses have been assigned our service request number K0608376.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/lmb

Page 1 of 13

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Longview Fibre
Project: Seattle Stormwater
Sample Matrix: Water

Service Request No.: K0608376
Date Received: 9/29/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 9/29/06. The following discrepancies were noted upon initial sample inspection. The samples were received at 13.6 °C, which is above the control limit of 6.0 °C. The exceptions are also noted on the cooler receipt and preservation form included in this data package. Otherwise, the samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

pH by EPA 150.1:

Turbidity by EPA 180.1:

Sample Roof Drain was received seven days past the recommended 24 hour holding time. The analysis was performed as soon as possible after receipt by the laboratory.

Total Metals

No anomalies associated with the analysis of these samples were observed

Oil and Grease by EPA Method 1664

No anomalies associated with the analysis of these samples were observed

Approved by _____

E. W. W. Date 10/9/06

00004

LFC002424

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Longview Fibre Paper & Packaging Inc
Seattle Stormwater
Water

Service Request: K0608376
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name:
Lab Code:
Test Notes:

Method Blank
K061003-WB

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/3/2006 | 10/3/2006 | ND | |

Approved By: *LS*

IS12/020597p

Date: 10/3/06

K0608376phc k01 - MB 10/3/2006

000011

Page No

LFC002425



SR#:

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PAGE

OF

COC #

[illegible]

BCDC #1 06/03

LFC002426

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC ED

Project/Client 1st Amtrak Packaging Service Request K06 08326

Cooler received on 9/29/06 at Amtrak on 9/29/06 by A. J. Ford

RUSH

1. Were custody seals on outside of coolers? ☒ Y ☐ N
If yes, how many and where? 14, 16
2. Were custody seals intact? ☒ Y ☐ N
3. Were signature and date present on the custody seals? ☒ Y ☐ N
4. Is the shipper's airbill available and filed? If no, record airbill number: ☒ Y ☐ N
5. COC# _____
Temperature of cooler(s) upon receipt: (°C) 14.1 _____
Temperature Blank: (°C) 18.6 _____
- Were samples hand delivered on the same day as collection? ☐ Y ☒ N
6. Were custody papers properly filled out (ink, signed, etc.)? 1 COC not signed ☐ Y ☒ N
7. Type of packing material present than warm gel packs, sleeves
8. Did all bottles arrive in good condition (unbroken)? ☒ Y ☐ N
9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ Y ☐ N
10. Did all bottle labels and tags agree with custody papers? ☐ Y ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ Y ☐ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ Y ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☐ Y ☒ N
14. Were the 1651 Mercury bottles checked for absence of air bubbles, and if present, noted below? ☐ Y ☒ N
15. Did the bottles originate from CAS/K or a branch laboratory? ☒ Y ☒ N
16. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ☐ Y ☒ N
17. Was C12/Res negative? ☐ Y ☒ N

Explain any discrepancies: Added "Roof drain" time of 1510 to COC.
Did not Rec. COC for Sludge Samples

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-------------------|-------------|---------------|----------------|-------------|--------------------------|-----------|
| <u>Roof Drain</u> | <u>1 ml</u> | <u>Amtrak</u> | <u>B 19045</u> | | | <u>JA</u> |
| | | | | | | |
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00003

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0608376
Date Collected: 9/20/2006
Date Received: 9/29/2006

Oil and Grease

Sample Name: Roof Drain
Lab Code: K0608376-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/3/2006 | 10/3/2006 | ND | |

Approved By: Ha

Date: 10/3/06

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K0608376phc.kc1 - 1 10/3/2006

Page No

LFC002428

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06
Date Extracted : 09/29/06

Total Metals
Units: ug/L (ppb)

| | | | |
|-------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 7421 | 6010B |
| Method Reporting Limit: | 10 | 2.0 | 10 |
| Date Analyzed: | 10/03/06 | 10/02/06 | 10/03/06 |

| Sample Name | Lab Code | | | |
|--------------|--------------|----|----|-----|
| Roof Drain | K0608376-001 | 12 | ND | 106 |
| Method Blank | K0608376-MB | ND | ND | ND |

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

| | | |
|-----------------------|--------------------------------------|----------------------------------|
| Client: | Longview Fibre Paper & Packaging Inc | Service Request: K0608376 |
| Project: | Seattle Stormwater | Date Collected: NA |
| Sample Matrix: | Water | Date Received: NA |

Oil and Grease

| | | |
|---------------------|--------------|--------------------------|
| Sample Name: | Method Blank | Units: mg/L (ppm) |
| Lab Code: | K061003-WB | Basis: NA |
| Test Notes: | | |

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/3/2006 | 10/3/2006 | ND | |

Approved By: *sa* Date: 10/5/06

1S22/070597p

K0608376pnc k21 - MB 10/3/2006

Page No

LFC002430

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|-------------|--------------|-----|--------------------|-----------------------|--------|-----------------|
| Roof Drain | K0608376-001 | - | 1 | 09/29/06 21:09 | 6.98 | |

Report By: Agreer

LFC002431

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc.
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

Solids, Total Suspended (TSS)

Analysis Method : 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|--------------------------|---------------|-------------------------|
| Roof Drain | K0608376-001 | 5 | 1 | 09/30/06 | ND | |
| Method Blank | K0608376-MB | 5 | 1 | 09/30/06 | ND | |

Report By: Agreer

LFC002432

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------|--------------|-----|--------------------|-----------------------|--------|-----------------|
| Roof Drain | K0608376-001 | 0.2 | 1 | 09/29/06 15:05 | 2.5 | X |
| Method Blank | K0608376-MB | 0.2 | 1 | 09/29/06 15:05 | ND | |

Report By: Agreer

LFC002433

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0608376

Sample Name :

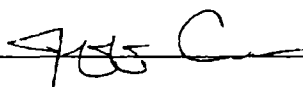
Roof Drain
Method Blank

Lab Code :

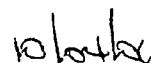
K0608376-001
K0608376-MB

Comments:

Approved By:



Date:



COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0608376

Sample Name :

Roof Drain
Method Blank

Lab Code :

K0608376-001
K0608376-MB

Comments:

Approved By: _____

[Signature]

Date: _____

10/04/08 *00008*

LFC002435

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

Solids, Total Suspended (TSS)

Analysis Method : 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|--------------------------|---------------|-------------------------|
| Roof Drain | K0608376-001 | 5 | 1 | 09/30/06 | ND | |
| Method Blank | K0608376-MB | 5 | 1 | 09/30/06 | ND | |

Report By: Agreer

00006

LFC002436

October 9, 2006

Service Request No: K0608376

Mike Anderson
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

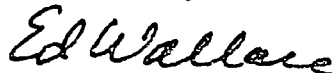
Enclosed are the results of the sample(s) submitted to our laboratory on September 29, 2006. For your reference, these analyses have been assigned our service request number K0608376.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/lmb

Page 1 of 13

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Longview Fibre
Project: Seattle Stormwater
Sample Matrix: Water

Service Request No.: K0608376
Date Received: 9/29/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 9/29/06. The following discrepancies were noted upon initial sample inspection. The samples were received at 13.6 °C, which is above the control limit of 6.0 °C. The exceptions are also noted on the cooler receipt and preservation form included in this data package. Otherwise, the samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

pH by EPA 150.1:

Turbidity by EPA 180.1:

Sample Roof Drain was received seven days past the recommended 24 hour holding time. The analysis was performed as soon as possible after receipt by the laboratory.

Total Metals

No anomalies associated with the analysis of these samples were observed

Oil and Grease by EPA Method 1664

No anomalies associated with the analysis of these samples were observed

Approved by _____

Eum Date 10/9/06

00004

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|-------------|--------------|-----|--------------------|-----------------------|--------|-----------------|
| Roof Drain | K0608376-001 | - | 1 | 09/29/06 21:09 | 6.98 | |

Report By: Agreer

00005

LFC002441

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

Solids, Total Suspended (TSS)

Analysis Method : 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|-----------------|---------------|--------|--------------|
| Roof Drain | K0608376-001 | 5 | 1 | 09/30/06 | ND | |
| Method Blank | K0608376-MB | 5 | 1 | 09/30/06 | ND | |

Report By:Agreer

00006

LFC002442

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0608376-001 | 0.2 | 1 | 09/29/06 15:05 | 2.5 | X |
| Method Blank | K0608376-MB | 0.2 | 1 | 09/29/06 15:05 | ND | |

Report By: Agreer

00007

LFC002443

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0608376

Sample Name :

Roof Drain
Method Blank

Lab Code :

K0608376-001
K0608376-MB

Comments:

Approved By:

Date:

LFC002444

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0608376
Date Collected : 09/20/06
Date Received : 09/29/06
Date Extracted : 09/29/06

Total Metals
Units: ug/L (ppb)

| | | | |
|-------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 7421 | 6010B |
| Method Reporting Limit: | 10 | 2.0 | 10 |
| Date Analyzed: | 10/03/06 | 10/02/06 | 10/03/06 |

| Sample Name | Lab Code | | | |
|--------------|--------------|----|----|-----|
| Roof Drain | K0608376-001 | 12 | ND | 106 |
| Method Blank | K0608376-MB | ND | ND | ND |

Comments:

00009

LFC002445

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0608376
Date Collected: 9/20/2006
Date Received: 9/29/2006

Oil and Grease

Sample Name: Roof Drain
Lab Code: K0608376-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/3/2006 | 10/3/2006 | ND | |

Approved By: Ha

Date: 10/3/06

IS22/020597p

K0608376phc.kc1 - 11/03/2006

Page No

00010

LFC002446

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0608376
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank
Lab Code: K061003-WB
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 10/3/2006 | 10/3/2006 | ND | |

Approved By: *SL*

Date: 10/3/06

1522/020597p

K0608376phc kc1 - MB 10/3/2006

00011

Page No

LFC002447



1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

SR#:

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2.

PC

Service Request K06 08326

Cooler received on 11/1/78

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Did not Rec. COC for Bludge Samples

Samples that required preservation or received out of temperature:

000,3

S03-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2006 year Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>2.2</u> | | NTU | <u>Grab</u> | <u>1</u> |
| pH | Consistent Attainment | <u>6.81</u> | | Standard Units | <u>"</u> | <u>1</u> |
| Zinc (total) | Consistent Attainment | <u>112</u> | | µg/L | <u>"</u> | <u>1</u> |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | <u>Grab</u> | <u>1</u> |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>6.81</u> | | Standard Units | <u>Grab</u> | <u>1</u> |
| Solids, Total Suspended | Consistent Attainment | <u>ND</u> | | mg/L | <u>"</u> | <u>1</u> |

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0604839
Date Collected : 06/08/06
Date Received : 06/14/06

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------|--------------|-----|--------------------|-----------------------|--------|-----------------|
| Roof Drain | K0604839-001 | 0.2 | 1 | 06/14/06 15:05 | 22.2 | X |
| Method Blank | K0604839-MB | 0.2 | 1 | 06/14/06 15:05 | ND | |

Report By: Agreeer

000-6

LFC002451

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0604839
Date Collected : 06/08/06
Date Received : 06/14/06

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| Roof Drain | K0604839-001 | - | 1 | 06/14/06 22:04 | 6.81 | |

Report By: Agreer

000 4

LFC002452

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0604839
Date Collected : 06/08/06
Date Received : 06/14/06
Date Extracted : 06/15/06

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 06/16/06

| Sample Name | Lab Code | |
|--------------|--------------|-----|
| Roof Drain | K0604839-001 | 408 |
| Method Blank | K0604839-MB | ND |

Comments:

60078

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper and Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0604839
Date Collected: 6/8/2006
Date Received: 6/14/2006

Oil and Grease

Sample Name: Roof Drain
Lab Code: K0604839-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 6/16/2006 | 6/16/2006 | 5.5 | |

Approved By: MR Curtin

Date: 6/22/06

IS22/020597p

K0604839phc k01 - 1 6/19/2006

Page No: 000 0

LFC002454

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0604839
Date Collected : 06/08/06
Date Received : 06/14/06

Solids, Total Suspended (TSS)

Analysis Method : 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|--------------------------|---------------|-------------------------|
| Roof Drain | K0604839-001 | 5 | 1 | 06/14/06 | 16 | |
| Method Blank | K0604839-MB | 5 | 1 | 06/14/06 | ND | |

Report By: Agreeer

000 5

LFC002455

July 6, 2006

Service Request No: K0604839

Mike Anderson
Longview Fibre Paper and Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

Enclosed are the results of the rush sample(s) submitted to our laboratory on June 14, 2006. For your reference, these analyses have been assigned our service request number K0604839.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/lmb

Page 1 of 12

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

000 3

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper and Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0604839
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank **Units:** mg/L (ppm)
Lab Code: K060616-WB **Basis:** NA
Test Notes:

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 6/16/2006 | 6/16/2006 | ND | |

Approved By: MM Curlin Date: 6/22/06

IS22/020997p

K0604839phc ke1 - MJB 6/19/2006

00010

Page No.

LFC002459

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0604839

Sample Name :

Roof Drain
Method Blank

Lab Code :

K0604839-001
K0604839-MB

Comments:

Approved By: _____

[Signature]

Date: _____

6/22/06

000.7

LFC002460

CHAIN OF CUSTODY

SR#: KD604839

PAGE OF COC #

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

[illegible]

RCOC #1 06/03

LFC002461

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC ED

Project/Client W. H. H. H. Service Request K06 04839

Cooler received 6/14/06 and opened on 6/14/06 by R. H. H. H.

1. Were custody seals on outside of coolers? Y ☒
If yes, how many and where? _____
2. Were custody seals intact? Y ☒
3. Were signature and date present on the custody seals? Y ☒
4. Is the shipper's airbill available and filed? If no, record airbill number: 52550487441 Y ☒
5. COOLING TEMPERATURES
 Temperature of cooler(s) upon receipt: (°C) 2.6
 Temperature Blank: (°C) 4.5
- Were samples hand delivered on the same day as collection? Y ☒
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
7. Type of packing material used: gel packs
8. Did all bottles arrive in good condition (unbroken)? ☒ N
9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ N
10. Did all bottle labels and tags agree with custody papers? ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below? Y N
15. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
16. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? Y N
17. Was C12/Res negative? Y N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
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SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2006 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

Primary SIC Code: 2653

You must send a Discharge Monitoring Report (DMR) to Ecology **every quarter**. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>2.7</u> | | NTU | <u>Grab</u> | <u>1</u> |
| pH | Consistent Attainment | <u>7.03</u> | | Standard Units | <u>"</u> | <u>1</u> |
| Zinc (total) | Consistent Attainment | <u>109</u> | | µg/L | <u>"</u> | <u>1</u> |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | <u>Grab</u> | <u>1</u> |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>7.03</u> | | Standard Units | <u>Grab</u> | <u>1</u> |
| Solids, Total Suspended | Consistent Attainment | <u>ND</u> | | mg/L | <u>"</u> | <u>1</u> |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

GEORGE MITCHELL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

3 20 06
DATE: MO DAY YEAR

George Mitchell

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

306-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0601919
Date Collected : 03/08/06
Date Received : 03/10/06

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|-------------------|--------------|-----|------|--------------------|-----------------------|--------|-----------------|
| #1,2,3 Roof Drain | K0601919-001 | 0.2 | 0.06 | 1 | 03/10/06 15:50 | 2.7 | |
| Method Blank | K0601919-MB | 0.2 | 0.06 | 1 | 03/10/06 15:50 | ND | |

00006

Report By: Agreer

LFC002465

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0601919
Date Collected : 03/08/06
Date Received : 03/10/06

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date/Time Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|------------|----------------------------|-------------------------------|---------------|-------------------------|
| #1,2,3 Roof Drain | K0601919-001 | - | - | 1 | 03/10/06 19:53 | 7.03 | |

00004

Report By: Agreer

LFC002466

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project No. :
Matrix : Water

Service Request : K0601919
Date Collected : 03/08/06
Date Received : 03/10/06
Date Extracted : 03/10/06

Total Metals
Units: ug/L (ppb)

| | | | |
|-------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 6010B | 6010B |
| Method Reporting Limit: | 10 | 50 | 10 |
| Date Analyzed: | 03/13/06 | 03/13/06 | 03/13/06 |

| Sample Name | Lab Code | | | |
|-------------------|--------------|----|----|-----|
| #1,2,3 Roof Drain | K0601919-001 | ND | ND | 109 |
| Method Blank | K0601919-MB | ND | ND | ND |

Comments:

00008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

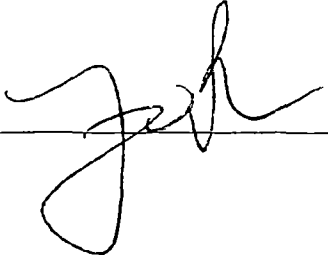
Client: Longview Fibre Paper and Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0601919
Date Collected: 3/8/2006
Date Received: 3/10/2006

Oil and Grease

Sample Name: #1.2.3 Roof Drain Units: mg/L (ppm)
Lab Code: K0601919-001 Basis: NA
Test Notes:

| Analyte | Prep Method | Analysis Method | MRL | MDL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|------|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 3/13/2006 | 3/13/2006 | ND | |

Approved By:  Date: 3/17/06

IS22/020597p

K0601919phc m11 - 1 3/14/2006

00009

Page No.:

LFC002468

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0601919
Date Collected : 03/08/06
Date Received : 03/10/06

Solids, Total Suspended (TSS)

Analysis Method : 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|-------------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| #1,2,3 Roof Drain | K0601919-001 | 5 | 5 | 1 | 03/10/06 | ND | |
| Method Blank | K0601919-MB | 5 | 5 | 1 | 03/10/06 | ND | |

00005

Report By: Agreeer

LFC002469

March 15, 2006

Service Request No: K0601919

Mike Anderson
Longview Fibre Paper and Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

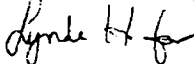
Enclosed are the results of the sample(s) submitted to our laboratory on March 10, 2006. For your reference, these analyses have been assigned our service request number K0601919.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 12

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

0002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

99993

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Paper and Packaging Inc
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0601919
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank
Lab Code: K060313-MB
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | MDL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|------|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 3/13/2006 | 3/13/2006 | ND | |

Approved By: _____ Date: _____

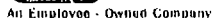
IS22/020597p

00010

K0601919phc.m11 - MB 3/14/2006

Page No.:

LFC002473



CHAIN OF CUSTODY

SR#: _____

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE _____ OF _____ COC # _____

[illegible]

RCOC #1 06/03

LFC002474

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC Ed W.

Project/Client Longmen fibre Service Request K06 1919
Cooler received on 3/10/06 and opened on 3/10/06 by V. Blum

1. Were custody seals on outside of coolers? ☒ N
If yes, how many and where? 1 front
2. Were custody seals intact? ☒ N
3. Were signature and date present on the custody seals? ☒ N
4. Is the shipper's airbill available and filed? If no record airbill number: ☒ N
5. COC# _____
Temperature of cooler(s) upon receipt: (°C) 2.6 _____
Temperature Blank: (°C) 3.1 _____
- Were samples hand delivered on the same day as collection? Y ☒ N
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
7. Type of packaging material present gel packs - brown
8. Did all bottles arrive in good condition (unbroken)? ☒ N
9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ N
10. Did all bottle labels and tags agree with custody papers? ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ N
14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below? ☒ N
15. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
16. Are CWA microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ☒ N
17. Was C12/Res negative? ☒ N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
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00012

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -

INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper and Packaging Inc
Project Name : Seattle Stormwater
Project No. :

Service Request : K0601919

Sample Name :

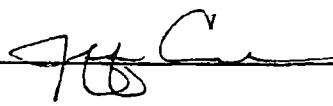
#1,2,3 Roof Drain
Method Blank

Lab Code :

K0601919-001
K0601919-MB

Comments:

Approved By: _____



Date: _____

03/13/06

00007

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2005 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall 001</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 2.2 | | NTU | Grab | 1 |
| pH | Consistent Attainment | 7.39 | | Standard Units | " | 1 |
| Zinc (total) | Consistent Attainment | 55 | | µg/L | " | 1 |
| Oil & Grease | Consistent Attainment | ND | | mg/L | Grab | 1 |

Monitoring associated with impaired waterbodies:

| Discharge Point _____ | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | 7.39 | | Standard Units | Grab | 1 |
| Solids, Total Suspended | Consistent Attainment | ND | | mg/L | " | 1 |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

GEORGE MITCHELL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

12/22/05

DATE: MO DAY YEAR

George Mitchell

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-742-7171

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

LFC002478

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0505395
Date Collected : 10/31/05
Date Received : 11/02/05

pH

Analysis Method 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|-------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K0505395-001 | - | - | 1 | 11/02/05 | 7.39 | |

Report By: Agreeer

00004

LFC002479

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0505395
Date Collected : 10/31/05
Date Received : 11/02/05

Solids, Total Suspended (TSS)

Analysis Method 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K0505395-001 | 5 | 5 | 1 | 11/05/05 | ND | |
| Method Blank | K0505395-MB | 5 | 5 | 1 | 11/05/05 | ND | |

Report By: Agreer

00005

LFC002480

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0505395
Date Collected : 10/31/05
Date Received : 11/02/05

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|------|--------------------|------------------|--------|-----------------|
| Roof Drain | K0505395-001 | 0.2 | 0.08 | 1 | 11/02/05 | 2.2 | |
| Method Blank | K0505395-MB | 0.2 | 0.08 | 1 | 11/02/05 | 0.09 | J |

Report By: PWiest

00006

LFC002481

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K0505395
Date Collected : 10/31/05
Date Received : 11/02/05
Date Extracted : 11/11/05

Total Metals
 Units: ug/L (ppb)

| | | | |
|--------------------------------|----------|----------|----------|
| Analyte: | Copper | Lead | Zinc |
| EPA Method: | 6010B | 7421 | 6010B |
| Method Reporting Limit: | 10 | 2.0 | 10 |
| Date Analyzed: | 11/14/05 | 11/22/05 | 11/14/05 |

| Sample Name | Lab Code | | | |
|--------------|--------------|----|----|----|
| Roof Drain | K0505395-001 | ND | ND | 55 |
| Method Blank | K0505395-MB | ND | ND | ND |

Comments:

00018

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
 Project: Seattle Stormwater
 Sample Matrix: Water

Service Request: K0505395
 Date Collected: 10/31/2005
 Date Received: 11/2/2005

Oil and Grease

Sample Name: Roof Drain
 Lab Code: K0505395-001
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

| Analyte | Prep | Analysis | | Dilution | | Date | Date | Result | Result Notes |
|-----------------------------|--------|----------|-----|----------|--------|------------|------------|--------|--------------|
| | Method | Method | MRL | MDL | Factor | Extracted | Analyzed | | |
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 11/14/2005 | 11/15/2005 | 0.69 | J |

Approved By: M. C. Linder

Date: 11/18/05

1522/020597p

K0505395phc.mcl - 1 11/18/2005

00009
 Page No.:

LFC002483

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
 Project: Seattle Stormwater
 Sample Matrix: Water

Service Request: K0505395
 Date Collected: NA
 Date Received: NA

Oil and Grease

Sample Name: Method Blank Units: mg/L (ppm)
 Lab Code: K051114-WB Basis: NA
 Test Notes:

| Analyte | Prep Method | Analysis Method | MRL | MDL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|------|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 11/14/2005 | 11/15/2005 | ND | |

Approved By: AM Curter Date: 11/18/05

IS22/020597p

K0505395phc.mel - MB 11/18/2005

00010

LFC002484

December 1, 2005

Service Request No: K0505395

Mike Anderson
Longview Fibre Company
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on November 2, 2005. For your reference, these analyses have been assigned our service request number K0505395.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace
Project Chemist

EW/jeb

Page 1 of 12

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -

INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K0505395

Sample Name :

Roof Drain
Method Blank

Lab Code :

K0505395-001
K0505395-MB

Comments:

Approved By: _____

DMT

Date: _____

11/28/05

00007

LFC002488



SR#: 10505395

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE OF COC #

[illegible]

RCOC #1 06/03

LFC002489

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC 2011

Project/Client Longview Lake Service Request K05 05325

Cooler received on 11/1/11 and opened on 11/1/11 by FX/ma

1. Were custody seals on outside of coolers? ☒ N
If yes, how many and where? 1- sides
2. Were custody seals intact? ☒ N
3. Were signature and date present on the custody seals? ☒ N
4. Is the shipper's airbill available and filed? If no, record airbill number: ☒ N
5. COC# _____
Temperature of cooler(s) upon receipt: (°C) 4.2 _____
Temperature Blank: (°C) 3.7 _____
- Were samples hand delivered on the same day as collection? Y ☒ N
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
7. Type of packing material present gel packs - 10 bags
8. Did all bottles arrive in good condition (unbroken)? ☒ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? ☒ N
10. Did all bottle labels and tags agree with custody papers? ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ N
14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below? ☒ N
15. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
16. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ☒ N
17. Was C12/Res negative? ☒ N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
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00012

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0503512
Date Collected : 08/29/05
Date Received : 08/31/05

Solids, Total Suspended (TSS)

Analysis Method 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| #1,#2,#3 Roof Drain | K0503512-001 | 5 | 5 | 1 | 09/01/05 | 7 | |
| Method Blank | K0503512-MB | 5 | 5 | 1 | 09/01/05 | ND | |

Report By: Agreeer

00005

LFC002491

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0503512
Date Collected : 08/29/05
Date Received : 08/31/05

Turbidity

Analysis Method 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------------|--------------|-----|------|--------------------|------------------|--------|-----------------|
| #1,#2,#3 Roof Drain | K0503512-001 | 0.2 | 0.08 | 1 | 08/31/05 | 9.2 | |
| Method Blank | K0503512-MB | 0.2 | 0.08 | 1 | 08/31/05 | ND | |

Report By: Agreer

00006

LFC002492

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
 Project: Seattle Stormwater
 Sample Matrix: Water

Service Request: K0503512
 Date Collected: 8/29/2005
 Date Received: 8/31/2005

Oil and Grease

Sample Name: #1,#2,#3 Roof Drain Units: mg/L (ppm)
 Lab Code: K0503512-001 Basis: NA
 Test Notes:

| Analyte | Prep | Analysis | Dilution | | Date | Date | Result | Result Notes |
|-----------------------------|--------|----------|----------|------|--------|-----------|----------|--------------|
| | Method | Method | MRL | MDL | Factor | Extracted | | |
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 9/7/2005 | 9/8/2005 | 7.9 |

Approved By: _____ Date: 09/08/05

IS22/020597p

K0503512phc jw1 - 1 9/8/2005

Page No.:

00007

LFC002493

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0503512
Date Collected : 08/29/05
Date Received : 08/31/05

pH

Analysis Method 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| #1,#2,#3 Roof Drain | K0503512-001 | - | - | 1 | 08/31/05 | 7.40 | |

00004

Report By: Agreer

LFC002494

September 9, 2005

Service Request No: K0503512

Mike Anderson
Longview Fibre Company
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

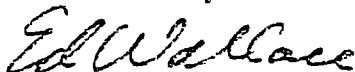
Enclosed are the results of the sample(s) submitted to our laboratory on August 31, 2005. For your reference, these analyses have been assigned our service request number K0503512.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 17

cc: Hank Rakoz, Longview Fibre

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

METALS

- Cover Page -

INORGANIC ANALYSIS DATA PACKAGE

Client: Longview Fibre Company

Service Request: K0503512

Project No.:

Project Name: Seattle Stormwater

| <u>Sample No.</u> | <u>Lab Sample ID.</u> |
|------------------------|-----------------------|
| Batch QCD | K0502890-001D |
| Batch QCS | K0502890-001S |
| #1, #2, #3 Roof Drain | K0503512-001 |
| #1, #2, #3 Roof DrainD | K0503512-001D |
| #1, #2, #3 Roof Drains | K0503512-001S |
| Method Blank | K0503512-MB |

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YESIf yes-were raw data generated before
application of background corrections?Yes/No NO

Comments: _____

Signature: Date: 9/9/05

COVER PAGE - IN

: 00008

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Longview Fibre Company

Service Request: K0503512

Project No.: NA

Date Collected: 08/29/05

Project Name: Seattle Stormwater

Date Received: 08/31/05

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: #1,#2,#3 Roof Drain

Lab Code: K0503512-001

| Analyte | Analysis Method | MRL | MDL | Dil. | Date Extracted | Date Analyzed | Result | C | Q |
|---------|-----------------|------|-----|------|----------------|---------------|--------|---|---|
| Copper | 6010B | 10.0 | 8.0 | 1 | 8/31/05 | 9/7/05 | 110 | | |
| Lead | 7421 | 2.0 | 0.3 | 1 | 8/31/05 | 9/1/05 | 1.4 | B | |
| Zinc | 6010B | 10.0 | 2.0 | 1 | 8/31/05 | 9/7/05 | 353 | | |

353 ppm

% Solids: 0.0

Comments:

00009

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Longview Fibre Company

Service Request: K0503512

Project No.: NA

Date Collected:

Project Name: Seattle Stormwater

Date Received:

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: Method Blank

Lab Code: K0503512-MB

| Analyte | Analysis Method | MRL | MDL | Dil. | Date Extracted | Date Analyzed | Result | C | Q |
|---------|-----------------|------|-----|------|----------------|---------------|--------|---|---|
| Copper | 6010B | 10.0 | 8.0 | 1 | 8/31/05 | 9/3/05 | 8.0 | U | |
| Lead | 7421 | 2.0 | 0.3 | 1 | 8/31/05 | 9/1/05 | 0.3 | U | |
| Zinc | 6010B | 10.0 | 2.0 | 1 | 8/31/05 | 9/3/05 | 2.0 | U | |

% Solids: 0.0

Comments:

00010

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Longview Fibre Company

Service Request: K0503512

Project No.:

Units: µg/L

Project Name: Seattle Stormwater

Basis: NA

Matrix: WATER

% Solids: 0.0

Sample Name: #1, #2, #3 Roof Drains

Lab Code: K0503512-001S

| Analyte | Control Limit %R | Spike Result | C | Sample Result | C | Spike Added | %R | Q | Method |
|---------|---------------------|-----------------|---|------------------|---|----------------|----|---|--------|
| Lead | 62 - 123 | 37.8 | | 1.4 | B | 40.0 | 91 | | 7421 |

An empty field in the Control Limit column indicates the control limit is not applicable.

00011

Form V (PART 1) - IN

LFC002501

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Longview Fibre Company

Service Request: K0503512

Project No.:

Units: µg/L

Project Name: Seattle Stormwater

Basis: NA

Matrix: WATER

% Solids: 0.0

Sample Name: Batch QCS

Lab Code: K0502890-001S

| Analyte | Control Limit %R | Spike Result | C | Sample Result | C | Spike Added | %R | Q | Method |
|---------|---------------------|-----------------|---|------------------|---|----------------|-----|---|--------|
| Copper | 84 - 117 | 256 | | 8.0 | U | 250 | 102 | | 6010B |
| Zinc | 90 - 111 | 491 | | 2.2 | B | 500 | 98 | | 6010B |

An empty field in the Control Limit column indicates the control limit is not applicable.

00012

METALS
-6-
DUPLICATES

Client: Longview Fibre Company

Service Request: K0503512

Project No.:

Units: pg/L

Project Name: Seattle Stormwater

Basis: NA

Matrix: WATER

% Solids: 0.0

Sample Name: #1, #2, #3 Roof DrainD

Lab Code: K0503512-001D

| Analyte | Control Limit (%) | Sample (S) | C | Duplicate (D) | C | RPD | Q | Method |
|---------|----------------------|------------|---|---------------|---|-----|---|--------|
| Lead | | 1.4 | B | 1.5 | B | 12 | | 7421 |

An empty field in the Control Limit column indicates the control limit is not applicable.

00013

METALS
-6-
DUPLICATES

Client: Longview Fibre Company

Service Request: K0503512

Project No.:

Units: µg/L

Project Name: Seattle Stormwater

Basis: NA

Matrix: WATER

8 Solids: 0.0

Sample Name: Batch QCD

Lab Code: K0502890-001D

| Analyte | Control Limit(%) | Sample (S) | C | Duplicate (D) | C | RPD | Q | Method |
|---------|---------------------|------------|---|---------------|---|-------|---|--------|
| Copper | | 8.0 | U | 8.0 | U | | | 6010B |
| Zinc | | 2.2 | B | 2.0 | U | 200.0 | | 6010B |

An empty field in the Control Limit column indicates the control limit is not applicable.

00014

Form VI - IN

LFC002504

METALS

-7-

LABORATORY CONTROL SAMPLE

Client: Longview Fibre Company

Service Request: K0503512

Project No.:

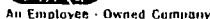
Project Name: Seattle Stormwater

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

| Analyte | Aqueous ug/L | | | Solid (mg/kg) | | | | | |
|---------|--------------|-------|-----|---------------|-------|---|--------|----|--|
| | True | Found | %R | True | Found | C | Limits | %R | |
| Copper | 625 | 676 | 108 | | | | | | |
| Lead | 25.0 | 23.8 | 95 | | | | | | |
| Zinc | 1250 | 1300 | 104 | | | | | | |

00015



CHAIN OF CUSTODY

SR#: 160503512

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE OF COC #

| | | | | | | | | | | | | | | | | | | | | |
|---|---------|---------|----------|--------|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| PROJECT NAME <u>Seattle Stormwater</u> | | | | | NUMBER OF CONTAINERS | <div style="display: flex; flex-wrap: wrap; padding: 5px;"> <div style="width: 33%;">Semi-volatile Organics by GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/></div> <div style="width: 33%;">Volatile Organics 624 <input type="checkbox"/> 8260 <input type="checkbox"/></div> <div style="width: 33%;">Hydrocarbons (see below) Gas <input type="checkbox"/> Diesel <input type="checkbox"/> BTEX <input type="checkbox"/></div> <div style="width: 33%;">Oil & Grease/TSPH 1684 HEM <input type="checkbox"/> 1684 SGT <input type="checkbox"/></div> <div style="width: 33%;">Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/></div> <div style="width: 33%;">Chlorophenolics Tri <input type="checkbox"/> Tetra <input type="checkbox"/> 8141A <input type="checkbox"/> 8151A <input type="checkbox"/></div> <div style="width: 33%;">PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/></div> <div style="width: 33%;">Metals Total or Dissolved (See list below)</div> <div style="width: 33%;">Cyanide <input type="checkbox"/> Hex-Chrom <input type="checkbox"/></div> <div style="width: 33%;">Cd, Cond, Cl, SO4, PO4, F, NO3, NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3</div> </div> | | | | | | | | | | | | | | |
| PROJECT NUMBER | | | | | | | | | | | | | | | | | | | | |
| PROJECT MANAGER | | | | | | | | | | | | | | | | | | | | |
| COMPANY/ADDRESS | | | | | | | | | | | | | | | | | | | | |
| CITY/STATE/ZIP | | | | | | | | | | | | | | | | | | | | |
| E-MAIL ADDRESS | | | | | | | | | | | | | | | | | | | | |
| PHONE () 762-7171 FAX () 206-767-2442 | | | | | | | | | | | | | | | | | | | | |
| SAMPLER'S SIGNAL | | | | | REMARKS | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | LAB I.D. | MATRIX | | | | | | | | | | | | | | | | |
| #1 roof drain | 8/29/05 | 3:45 pm | | | | | | | | | | | | | | | | | | |
| #2 roof drain | 8/29/05 | 3:45 pm | | | | | | | | | | | | | | | | | | |
| #3 roof drain | 8/29/05 | 3:45 pm | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

REPORT REQUIREMENTS
☐ I. Routine Report: Method Blank, Surrogate, as required
☐ II. Report Dup., MS, MSD as required
☐ III. Data Validation Report (includes all raw data)
☐ IV. CLP Deliverable Report
☐ V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: _____

TURNAROUND REQUIREMENTS
☐ 24 hr. ☐ 48 hr.
☒ 5 Day
☐ Standard (10-15 working days)
☐ Provide FAX Results
 Requested Report Date _____

CIRCLE which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 SPECIAL INSTRUCTIONS/COMMENTS:

Please test turbidity as well. Thank you, Mike A.

| | | | |
|--|---|--|--|
| RELINQUISHED BY: <div style="display: flex; justify-content: space-between;"> <div>Signature <u>[Signature]</u></div> <div>Date/Time <u>9/29/05 3:50 pm</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Printed Name <u>Mike Anderson</u></div> <div>Firm <u>Longview Fibre Co</u></div> </div> | RECEIVED BY: <div style="display: flex; justify-content: space-between;"> <div>Signature <u>[Signature]</u></div> <div>Date/Time <u>9/29/05</u></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Printed Name <u>Anna Riquelme</u></div> <div>Firm <u>CATS</u></div> </div> | RELINQUISHED BY: <div style="display: flex; justify-content: space-between;"> <div>Signature _____</div> <div>Date/Time _____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Printed Name _____</div> <div>Firm _____</div> </div> | RECEIVED BY: <div style="display: flex; justify-content: space-between;"> <div>Signature _____</div> <div>Date/Time _____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Printed Name _____</div> <div>Firm _____</div> </div> |
|--|---|--|--|

RCOC #1 06/03

LFC002506

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC Ed

Project/Client Fibre Work Order K05 3512
Cooler received on 8/31/05 and opened on 8/31/05 by A. Jull

1. Were custody seals on outside of coolers? ☒ Y ☐ N
If yes, how many and where? 1 each side
2. Were custody seals intact? ☒ Y ☐ N
3. Were signature and date present on the custody seals? ☒ Y ☐ N
4. Is the shipper's airbill available and filed? If no, record airbill number: 59184537204 ☒ Y ☐ N
5. COC# _____
Temperature of cooler(s) upon receipt: (°C) 18.3 _____
Temperature Blank: (°C) 16.1 _____
- Were samples hand delivered on the same day as collection? ☒ Y ☐ N
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ Y ☐ N
7. Type of packing material present thaw gel pgs, sleeves
8. Did all bottles arrive in good condition (unbroken)? ☒ Y ☐ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? ☒ Y ☐ N
10. Did all bottle labels and tags agree with custody papers? ☒ Y ☐ N
11. Were the correct types of bottles used for the tests indicated? ☒ Y ☐ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ Y ☐ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ Y ☐ N
14. Did the bottles originate from CAS/K or a branch laboratory? ☒ Y ☐ N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ☒ Y ☐ N
16. Was C12/Res negative? ☒ Y ☐ N

Explain any discrepancies: _____

RESOLUTION: OK To test only Sample Eurus 8/31/05

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
| | | | | | | |
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00017

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2005 Jan/Feb/Mar Apr/May/June Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology **every quarter**. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall #1</u> | | | | | | |
|---|-----------------------|-------------------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>See comments</u> | | NTU | <u>Grab</u> | <u>1</u> |
| pH | Consistent Attainment | <u>7.33</u> | | Standard Units | <u>..</u> | <u>1</u> |
| Zinc (total) | Consistent Attainment | <u>76.5</u> | | µg/L | <u>..</u> | <u>1</u> |
| Oil & Grease | Consistent Attainment | <u>70-see comments*</u> | | mg/L | <u>Grab</u> | <u>1</u> |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>Roof drain to outfall #1</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>7.33</u> | | Standard Units | <u>Grab</u> | <u>1</u> |
| Solids, Total Suspended | Consistent Attainment | <u>ND</u> | | mg/L | <u>..</u> | <u>1</u> |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

GEORGE MITCHELL PLANT MANAGER
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

7 5 05
DATE: MO DAY YEAR

George Mitchell
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

306-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Turbidity did not get tested this period due to laboratory error, however they assured us that because our total suspended solids was a "non-detect", our turbidity level was very low as well.

Oil & Grease, this is an estimated value because it is lower than method reporting limit

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0500497
Date Collected : 05/19/05
Date Received : 05/24/05

pH

Analysis Method 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| #1,#2,#3 Roof Drain | K0500497-001 | - | - | 1 | 05/24/05 | 7.33 | |

Report By: AYaple

00004

LFC002510

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Longview Fibre Company

Service Request: K0500497

Project No.: NA

Date Collected: 05/19/05

Project Name: Seattle Stormwater

Date Received: 05/24/05

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: #1, #2, #3 Roof Drain

Lab Code: K0500497-001

| Analyte | Analysis Method | MRL | MDL | Dil. | Date Extracted | Date Analyzed | Result | C | Q |
|---------|-----------------|------|-----|------|----------------|---------------|--------|---|---|
| Copper | 6010B | 10.0 | 5.0 | 1 | 6/2/05 | 6/8/05 | 5.7 | B | |
| Lead | 200.9 | 2.0 | 0.3 | 1 | 6/3/05 | 6/8/05 | 0.3 | B | |
| Zinc | 6010B | 10.0 | 6.0 | 1 | 6/2/05 | 6/8/05 | 76.5 | | |

% Solids: 0.0

Comments:

00007

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Longview Fibre Company
Seattle Stormwater
Water

Service Request: K0500497
Date Collected: 5/19/2005
Date Received: 5/24/2005

Oil and Grease

Sample Name:
Lab Code:
Test Notes:

#1,#2,#3 Roof Drain
K0500497-001

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | MDL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|-------------|-----------------|-----|------|-----------------|----------------|---------------|--------|--------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 5/31/2005 | 5/31/2005 | 0.70 | J |

Approved By: _____

LS22/020597p

Date: _____

060205

K0500497PHC.JW1 - 1 6/1/2005

00009
Page No.

LFC002512

June 27, 2005

Service Request No: K0500497

Mike Anderson
Longview Fibre Company
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Stormwater

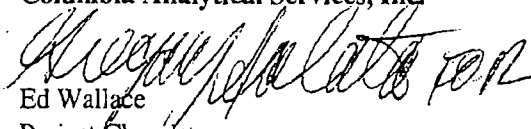
Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on May 24, 2005. For your reference, these analyses have been assigned our service request number K0500497.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace
Project Chemist

EW/jeb

Page 1 of

12

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K0500497
Date Collected : 05/19/05
Date Received : 05/24/05

Solids, Total Suspended (TSS)

Analysis Method 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | MDL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------------|--------------|-----|-----|--------------------|------------------|--------|-----------------|
| #1,#2,#3 Roof Drain | K0500497-001 | 5 | 5 | 1 | 05/24/05 | ND | |
| Method Blank | K0500497-MB | 5 | 5 | 1 | 05/24/05 | ND | |

Report By: AYaple

00005

LFC002516

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Longview Fibre Company

Service Request: K0500497

Project No.:

Project Name: Seattle Stormwater

Sample No.

Lab Sample ID.

#1, #2, #3 Roof Drain

K0500497-001

Method Blank

K0500497-MB

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?

Yes/No YES

If yes-were raw data generated before
application of background corrections?

Yes/No NO

Comments: _____

Signature: _____

Date: 6/22/05

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Longview Fibre Company

Service Request: K0500497

Project No.: NA

Date Collected:

Project Name: Seattle Stormwater

Date Received:

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: Method Blank

Lab Code: K0500497-MB

| Analyte | Analysis Method | MRL | MDL | Dil. | Date Extracted | Date Analyzed | Result | C | Q |
|---------|-----------------|------|-----|------|----------------|---------------|--------|---|---|
| Copper | 6010B | 10.0 | 5.0 | 1 | 6/2/05 | 6/8/05 | 5.0 | U | |
| Lead | 200.9 | 2.0 | 0.3 | 1 | 6/3/05 | 6/8/05 | 0.3 | U | |
| Zinc | 6010B | 10.0 | 6.0 | 1 | 6/2/05 | 6/8/05 | 6.0 | U | |

% Solids: 0.0

Comments:

00008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K0500497
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank
Lab Code: K050531-WB
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | MDL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|------|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 0.64 | 1 | 5/31/2005 | 5/31/2005 | ND | |

Approved By: _____ Date: 06/20/05

1S22/020597p

K0500497PHC.JW1 - MB 6/1/2005

00010
Page No.:

LFC002519



1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE

K0500497

K0500497
Longview Fibre Company
Seattle Stormwater

00011

RCOC #1 06/03

LFC002520

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC Ed W.

Project/Client Longview Fibre Co. Work Order K05 06497

Cooler received on 5/24/05 and opened on 5/24/05 by DP

1. Were custody seals on outside of coolers? Y ☒ N ☐
If yes, how many and where? 2 Front
2. Were custody seals intact? Y ☒ N ☐
3. Were signature and date present on the custody seals? Y ☒ N ☐
4. Is the shipper's airbill available and filed? If no, record airbill number: 12-903-466-01-1000-264-1 Y ☐ N ☒
5. COC# _____
Temperature of cooler(s) upon receipt: (°C) 10.1 DP 4.5 _____
Temperature Blank: (°C) _____ 4.3 _____
Were samples hand delivered on the same day as collection? Y ☐ N ☒
6. Were custody papers properly filled out (ink, signed, etc.)? Y ☒ N ☐
7. Type of packing material present Foam sheets, bubble wrap, paper towels
8. Did all bottles arrive in good condition (unbroken)? Y ☒ N ☐
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y ☒ N ☐
10. Did all bottle labels and tags agree with custody papers? Y ☒ N ☐
11. Were the correct types of bottles used for the tests indicated? Y ☒ N ☐
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y ☒ N ☐
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y ☐ N ☒
14. Did the bottles originate from CAS/K or a branch laboratory? Y ☒ N ☐
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? Y ☐ N ☒
16. Was C12/Res negative? Y ☐ N ☒

SHORT HOLD TIME

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

00012

5-form water



Confirmation of Sample Receipt

| | | | |
|---------------|--------------------------|---------------|---------------------------|
| To: | Mike Anderson | From: | Ed Wallace |
| Email: | mjanderson@longfibre.com | Email: | EWallace@kelso.caslab.com |
| Fax: | 206-767-2442 | Fax: | 360-636-1068 |
| Phone: | 206-762-7170 | Phone: | 360-577-7222 x3291 |

Samples for analysis have been received by Columbia Analytical Services on 05/24/2005 and assigned our Service Request number **K0500497**. Please verify the following information and notify me of any corrections as soon as possible.

The estimated completion date for this work is: 06/14/2005

Client: Longview Fibre Company
Project:

PO Number: 1299

EDD Required: No

Tier: 1

Report To: Mike Anderson
Longview Fibre Company
5901 East Marginal Way South
Seattle, WA 98124

Billing Address: Accounts Payable
Longview Fibre Company
End of Fibre Way
P.O. Box 3000
Longview, WA 98632-0300

Thank you for your business!

LFC002522

A - Test is Authorized

H - Test On Hold

P - Test is Authorized for Prep Only

C - Test has been Cancelled

| | | | 150.1 PH | 160.2 TSS | 1664 O_G_HEM | 200.9 PB_TRACE_T | 6010B METALS_T |
|--------------|---------------------|---------------|-------------|--------------|-----------------|---------------------|-------------------|
| K0500497-001 | #1,#2,#3 Roof Drain | 05/19/05 0645 | A | A | A | A | A |

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2005
year

Jan/Feb/Mar

Apr/May/Jun

Jul/Aug/Sep

Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology **every quarter**. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall #1</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>1.4</u> | | NTU | | <u>1</u> |
| pH | Consistent Attainment | <u>6.93</u> | | Standard Units | | <u>1</u> |
| Zinc (total) | Consistent Attainment | <u>52</u> | | µg/L | | <u>1</u> |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | Grab | <u>1</u> |

Monitoring associated with impaired waterbodies:

| Discharge Point <u>Roof drain to outfall #1</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| pH | Consistent Attainment | <u>6.93</u> | | Standard Units | | <u>1</u> |
| Solids, Total Suspended | Consistent Attainment | <u>NO</u> | | mg/L | | <u>1</u> |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

GEORGE MITCHELL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

4 5 05
DATE: MO DAY YEAR

George Mitchell

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7171
TELEPHONE NUMBER

COMMENTS/EXPLANATIONS

LFC002525

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2500491
Date Collected : 01/18/05
Date Received : 01/20/05

Turbidity

Analysis Method 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K2500491-001 | 0.2 | 1 | 01/20/05 | 1.4 | |
| Method Blank | K2500491-MB | 0.2 | 1 | 01/20/05 | ND | |

Report By: AYaple

00006

LFC002526

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2500491
Date Collected : 01/18/05
Date Received : 01/20/05

pH

Analysis Method 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------------|-----------------|------------|----------------------------|--------------------------|---------------|-------------------------|
| Roof Drain | K2500491-001 | - | 1 | 01/20/05 | 6.93 | |

Report By: AYaple

00004

LFC002527

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K2500491
Date Collected : 01/18/05
Date Received : 01/20/05
Date Extracted : 02/01/05

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 02/03/05

| Sample Name | Lab Code | |
|--------------|--------------|----|
| Roof Drain | K2500491-001 | 52 |
| Method Blank | K2500491-MB | ND |

Comments:

00008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2502200
Date Collected: 3/26/2005
Date Received: 3/29/2005

Oil and Grease

Sample Name: #1 Roof Drain
Lab Code: K2502200-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 3/29/2005 | 3/31/2005 | ND | |

Approved By: _____

1522/020597p

Date: _____

033105

02200PHC cq1 - 1 3/31/2005

00004

LFC002529

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2500491
Date Collected : 01/18/05
Date Received : 01/20/05

Solids, Total Suspended (TSS)

Analysis Method 160.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K2500491-001 | 5 | 1 | 01/25/05 | ND | |
| Method Blank | K2500491-MB | .5 | 1 | 01/25/05 | ND | |

Report By: AYaple

00005

LFC002530

March 31, 2005

Service Request No: K2502200

Mike Anderson
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

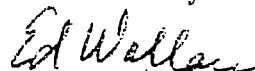
Enclosed are the results of the rush sample(s) submitted to our laboratory on March 29, 2005. For your reference, these analyses have been assigned our service request number K2502200.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 7

cc: Hank Rakoz, Longview Fibre, Longview, WA

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2502200
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name: Method Blank
Lab Code: K050329-WB
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 3/29/2005 | 3/31/2005 | ND | |

Approved By: _____

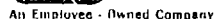
1522/020597p

Date: 03/31/05

02200PHC.q1 - MB 3/31/2005

Page No.:
00005

LFC002534



PAGE OF

SR#:

COC #

FICOC #1 06/03

LFC002535

RUSH

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC EF W.

Project/Client

EVERETT

Work Order K250

2200

Cooler received on 3/29/05 and opened on 3/29/05 by AF

1. Were custody seals on outside of coolers?

☒ N

If yes, how many and where? 1 F7B

2. Were custody seals intact?

☒ N

3. Were signature and date present on the custody seals?

☒ N

4. Is the shipper's airbill available and filed? If no, record airbill number: 179034660110002561

☒ Y N

5. COC#

Temperature of cooler(s) upon receipt: (°C)

1.6

Temperature Blank: (°C)

N/A

Were samples hand delivered on the same day as collection?

☒ Y N

6. Were custody papers properly filled out (ink, signed, etc.)?

☒ N

7. Type of packing material present Bumpy, CARBONATED

8. Did all bottles arrive in good condition (unbroken)?

☒ N

9. Were all bottle labels complete (i.e analysis, preservation, etc.)?

☒ N

10. Did all bottle labels and tags agree with custody papers?

☒ N

11. Were the correct types of bottles used for the tests indicated?

☒ N

12. Were all of the preserved bottles received at the lab with the appropriate pH?

☒ Y N

13. Were VOA vials checked for absence of air bubbles, and if present, noted below?

☒ Y N

14. Did the bottles originate from CAS/K or a branch laboratory?

☒ Y N

15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?

☒ Y N

16. Was C12/Res negative?

☒ Y N

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
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00007

February 4, 2005

Service Request No: K2500491

Mike Anderson
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on January 20, 2005. For your reference, these analyses have been assigned our service request number K2500491.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 10

Cc: Hank Rakoz, Longview Fibre

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard-Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K2500491

Sample Name :

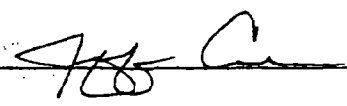
Roof Drain
Method Blank

Lab Code :

K2500491-001
K2500491-MB

Comments:

Approved By: _____



Date: _____

2/3/05

00007

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

PC EA

Project/Client long view fibre Co. Work Order K250 8491
Cooler received on 1/20/05 and opened on 1/20/05 by TJ Black

1. Were custody seals on outside of coolers? Y ☒ N ☐
If yes, how many and where? _____
2. Were custody seals intact? Y ☐ N ☒
3. Were signature and date present on the custody seals? Y ☐ N ☒
4. Is the shipper's airbill available and filed? If no, record airbill number: 17903466011000544 Y ☐ N ☒
5. COOL
Temperature of cooler(s) upon receipt: (°C) 3.5
Temperature Blank: (°C) 2.3
6. Were samples hand delivered on the same day as collection? Y ☐ N ☒
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ Y ☐ N
7. Type of packing material present gel packs
8. Did all bottles arrive in good condition (unbroken)? ☒ Y ☐ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? ☒ Y ☐ N
10. Did all bottle labels and tags agree with custody papers? ☒ Y ☐ N
11. Were the correct types of bottles used for the tests indicated? ☒ Y ☐ N [?]
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ Y ☐ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ Y ☐ N
14. Did the bottles originate from CAS/K or a branch laboratory? ☒ Y ☐ N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ☒ Y ☐ N
16. Was C12/Res negative? ☒ Y ☐ N

Explain any discrepancies: 1. No tests marked on POC. 2. Did not receive 1664 bottle.

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
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00010

ACKNOWLEDGMENT OF
RECEIPT OF SAMPLES

TO:

Mike Anderson
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

FROM:

Ed Wallace, Project Chemist
Columbia Analytical Services, Inc.

This is to inform you that the samples received for testing have been assigned CAS Service Request number K2500491. Please verify information and notify me of any corrections.

A copy of our work order is attached. If you have any questions regarding the status of this work, please call me at (360) 577-7222.

Thank you for your business.

Number of pages - 2 - (including cover sheet).

Columbia Analytical Services, Inc.
1317 South 13th Avenue
P.O. Box 479
Kelso, WA 98626
(360) 577-7222
(360) 636-1068 - FAX

* During the next few months, you may notice format changes in some of the documents you receive from CAS. However, these documents should contain the same information you are accustomed to receiving.

Columbia Analytical Services -- Kelso
INTERNAL LOGIN SUMMARY REPORT (1101)
25-JAN-05 09:48

Service Req. No. K2500491
Client No. 125855
Client Name Longview Fibre Company

Project No.
Project Name Seattle Stormwater

Bottles: 1 - 500 ml Red
2 - 500 ml White

Bill To: Longview Fibre Company
Attn: Accounts Payable
5901 E. Marginal Way S.
Seattle, WA 98124

Report To: Longview Fibre Company
Mike Anderson
5901 E. Marginal Way S.
Seattle, WA 98124

P.O. No. 1456 08 (Longview)
Logged In By FADAIR
ISR Num
COC Received Y
Samples Submitted 20-JAN-05

Site ID
Project Chemist Ed Wallace

Storage: HERK G4

| CAS Samp No. | Client Sample No. | Matrix | Collected | DueDate | PH | TSS | TURB | ZH/ICP | TOTGEST |
|--------------|-------------------|--------|-----------|---------|----|-----|------|--------|---------|
|--------------|-------------------|--------|-----------|---------|----|-----|------|--------|---------|

| | | | | | | | | | |
|--------------|------------|-------|-----------------|-----------|---|---|---|---|---|
| K2500491-001 | Roof Drain | WATER | 16:45 18-JAN-05 | 03-FEB-05 | 1 | 1 | 1 | 1 | 1 |
|--------------|------------|-------|-----------------|-----------|---|---|---|---|---|

Comments:

K2500491

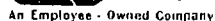
PK: = rec'd past hold time.

125855

cc: Hank Rakoz.

Samples Found To Be Hazardous: NONE__ ALL__ *SOME__

Reviewed By: _____



SR#: 1050024

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE _____ OF _____ COC # _____

RCOC #1 06/03

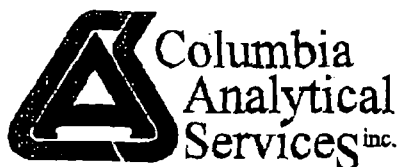
LFC002544

CAS Kelso

1317 S. 13th Avenue.

P.O. Box 479,

Kelso, WA 98626



An Employee-Owned Company

Date: 3/31/05
Number of pages including cover sheet: 2To: Mike Anderson
Longview FibreFrom: Jen for ED Wallace

Phone:

Fax phone:

CC:

206-767-2442

Phone:

Fax phone:

(360) 577-7222(360) 636-1068

REMARKS:

☐ Urgent☒ For your review☐ Reply ASAP☐ Please commentResults for K250 2200.

IMPORTANT NOTE:

The documents accompanying this transmission may contain information which is legally privileged and/or confidential. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient, or the person responsible for delivering it to the intended recipient, you are hereby notified that any disclosure, copying, distribution, or use of any of the information contained in this transmission is strictly **PROHIBITED**. If you have received this transmission in error, please immediately notify us by telephone and mail the original transmission to us. Thank you for your cooperation and assistance.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2502200
Date Collected: 3/26/2005
Date Received: 3/29/2005

Oil and Grease

Sample Name: #1 Roof Drain
Lab Code: K2502200-001
Test Notes:

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 3/29/2005 | 3/31/2005 | ND | |

Approved By: _____

1521020597p

Date: _____

03/31/05

02280PHC.ed1 - 3/31/2005

Page No.:

LFC002546

| DATE OF READING | METER INSTALLED 9-16-03 READING IS | DISCHARGE TO SEWER IN GALLONS |
|-----------------|------------------------------------|-------------------------------|
| | TOTAL FROM THIS DATE IN GALS. | |
| 9/26/2003 | 460 | 460 |
| 10/2/2003 | 2890 | 2430 |
| 10/10/2003 | 14,450 | 11,560 |
| 10/17/2003 | Instructions on water save 26,280 | 11,830 |
| 10/24/2003 | 34,140 | 7,860 |
| 10/31/2003 | 42,520 | 8,380 |
| 11/7/2003 | 53,440 | 10,920 |
| 11/14/2003 | 70,510 | 17,070 |
| 11/21/2003 | 81,880 | 11,370 |
| 12/5/2003 | 103,140 | 21,260 |
| 12/13/2003 | 113,700 | 10,560 |
| 12/23/2003 | 125,920 | 12,220 |
| 1/2/2004 | 130,390 | 4,470 |
| 1/9/2004 | 140,860 | 10,470 |
| 1/16/2004 | 151,380 | 10,520 |
| 1/23/2004 | 161,070 | 9,690 |
| 1/30/2004 | 169,160 | 8,090 |
| 2/7/2004 | Water save key switch 175,500 | 6,340 |
| 2/13/2004 | 177,980 | 2,480 |
| 2/20/2004 | 185,300 | 7,320 |
| 2/28/2004 | 188,050 | 2,750 |
| 3/8/2004 | 192,110 | 4,060 |
| 3/12/2004 | 197,490 | 5,380 |
| 3/19/2004 | 202,940 | 5,450 |
| 3/26/2004 | 205,560 | 2,620 |
| 4/2/2004 | 209,210 | 3,650 |
| 4/9/2004 | 215,410 | 6,200 |
| 4/16/2004 | 217,620 | 2,210 |
| 4/23/2004 | 221,110 | 3,490 |
| 4/30/2004 | 229,450 | 8,340 |
| 5/7/2004 | 232,950 | 3,500 |
| 5/14/2004 | 236,080 | 3,130 |
| 5/21/2004 | 242,860 | 6,780 |
| 5/28/2004 | 245,510 | 2,650 |
| 6/4/2004 | 250,620 | 5,110 |
| 6/11/2004 | Flexo's clean up 262,060 | 11,440 |
| 6/18/2004 | 269,210 | 7,150 |
| 6/25/2004 | 274,420 | 5,210 |
| 7/2/2004 | 278,030 | 3,610 |
| 7/9/2004 | 284,750 | 6,720 |
| 7/16/2004 | Broken valve bucket washer 300,610 | 15,860 |
| 7/23/2004 | 302,970 | 2,360 |
| 7/30/2004 | 307,490 | 4,520 |
| 8/6/2004 | 312,070 | 4,580 |
| 8/13/2004 | 317,920 | 5,850 |
| 8/20/2004 | 324,210 | 6,290 |
| 8/27/2004 | 333,670 | 9,460 |
| 9/3/2004 | 337,520 | 3,850 |
| 9/10/2004 | 346,120 | 6,600 |

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2004 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Out fall of Roof drain</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 1.5 | | NTU | Grab | 1 |
| pH | Consistent Attainment | 7.72 | | Standard Units | Grab | 1 |
| Zinc (total) | Consistent Attainment | 42 | | µg/L | Grab | 1 |
| Oil & Grease | Consistent Attainment | ND | | mg/L | Grab | 1 |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 35 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

GEORGE MITCHELL PLANT MANAGER
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

1 25 05
DATE: MO DAY YEAR

George Mitchell
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2408734
Date Collected: 11/02/04
Date Received: 11/03/04
Date Extracted: NA
Date Analyzed: 11/03/04

Turbidity
EPA Method 180.1
Units: NTU

| Sample Name | Lab Code | MRL | Result |
|--------------|--------------|-----|--------|
| Roof Drain | K2408734-001 | 0.2 | 1.5 |
| Method Blank | K2408734-MB | 0.2 | ND |

Approved By: _____

M. F. H.

Date: _____

11/17/04

1AMRL1102594

08734WET.MF1 - 1AMRL 11/17/04

00004
Page No.

LFC002550

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2408734
Date Collected: 11/02/04
Date Received: 11/03/04
Date Extracted: NA
Date Analyzed: 11/03/04

pH
EPA Method 150.1
Units: pH Units

| Sample Name | Lab Code | Result |
|-------------|--------------|--------|
| Roof Drain | K2408734-001 | 7.72 |

Approved By: _____

WJF

Date: _____

11/17/04

00005

1A/102094

08734WET.MF1 - pH 11/17/04

Page No.:

LFC002551

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K2408734
Date Collected : 11/02/04
Date Received : 11/03/04
Date Extracted : 11/18/04

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 11/30/04

| Sample Name | Lab Code | |
|--------------|--------------|----|
| Roof Drain | K2408734-001 | 42 |
| Method Blank | K2408734-MB | ND |

Comments:

00007

LFC002552

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Longview Fibre Company
Seattle Stormwater
Water

Service Request: K2408734
Date Collected: 11/2/2004
Date Received: 11/3/2004

Oil and Grease

Sample Name:
Lab Code:
Test Notes:

Roof Drain
K2408734-001

Units: mg/l. (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 11/11/2004 | 11/12/2004 | ND | |

Approved By: _____

1522/020597p

06734PHC.eq1 - 11/13/2004

Date: _____

00008
Page No

LFC002553

December 3, 2004

Service Request No: K2408734

Mike Anderson
Longview Fibre Company
End of Fibre Way
P.O. Box 639
Longview, WA 98632

RE: Seattle Stormwater

Dear Mike:


Enclosed are the results of the sample(s) submitted to our laboratory on November 3, 2004. For your reference, these analyses have been assigned our service request number K2408734.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.


Ed Wallace
Project Chemist

EW/jeb

Page 1 of 11

cc: Hank Rakoz, Longview Fibre

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K2408734

Sample Name :

Roof Drain
Method Blank

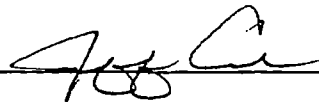
Lab Code :

K2408734-001
K2408734-MB

Comments:

00006

Approved By: _____



Date: _____

12/2/04

LFC002556

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Longview Fibre Company
Seattle Stormwater
Water

Service Request: K2408734
Date Collected: NA
Date Received: NA

Oil and Grease

Sample Name:
Lab Code:
Test Notes:

Method Blank
K041111-WB

Units: mg/L (ppm)
Basis: NA

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|----------------|--------------------|-----|--------------------|-------------------|------------------|--------|-----------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 11/11/2004 | 11/12/2004 | ND | |

Approved By: _____

1S22/020597p

Date: _____

08734PHC.cq1 - MB 11/15/2004

Page No.
00009

LFC002557

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003



CHAIN OF CUSTODY

SR#:

K2908734

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE

OF

COC #

| PROJECT INFORMATION | | | | | NUMBER OF CONTAINERS | ANALYSIS OPTIONS | | | | | | | | | | | | | | | REMARKS | | | | |
|---|----------------|-----------------|--------------------|--------------------------|---------------------------------------|--------------------------------|----------------------------|--------------------------|-----|---|--------------------|-------|----------|-----------------------|-----------------|------|----------------------------|---------|----------|-----------|---------|---------------------------------|--------------|----------|----------|
| PROJECT NAME | PROJECT NUMBER | PROJECT MANAGER | COMPANY/ADDRESS | CITY/STATE/ZIP | | Semivolatile Organics by GC/MS | Volatile Organics by GC/MS | Hydrocarbons (see below) | Gas | Fuel Fingerprint (FID) | Oil & Grease (TPH) | PCB's | Aroclors | Pesticides/Herbicides | Chlorophenolics | PAHs | Metals, Total or Dissolved | Cyanide | pH Cond. | Hex-Chrom | | NO ₃ , BOD, TSS, TDS | DOC (circle) | TOX 9020 | AOX 1650 |
| Seattle Stormwater | | Mike Anderson | Longview Fibre Co. | 901 East Marginal Way S. | Seattle, WA 98134 | | | | | | | | | | | | | | | | | | | | |
| E-MAIL ADDRESS: mja@longviewfibre.com | | | | | | | | | | | | | | | | | | | | | | | | | |
| PHONE: (206) 762-7170 FAX: (206) 767-2442 | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE SIGNATURE: [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | LAB I.D. | MATRIX | | | | | | | | | | | | | | | | | | | | | |
| #1 roof drain | 11/2/04 | 3:30pm | | | 1 | | | | | | | | | | | | | | | | | | | | |
| #2 roof drain | 11/2/04 | 3:30pm | | | 1 | | | | | | | | | | | | | | | | | | | | |
| #3 roof drain | 11/2/04 | 3:30pm | | | 1 | | | | | | | | | | | | | | | | | | | | |
| REPORT REQUIREMENTS | | | | | INVOICE INFORMATION | | | | | CIRCLE WHICH METALS ARE TO BE ANALYZED: | | | | | | | | | | | | | | | |
| I. Routine Report: Method Blank, Surrogate, as required | | | | | P.O. # | | | | | Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | | | | | | | | | | | | |
| II. Report Dup., MS, MSD as required | | | | | Bill To: | | | | | Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg | | | | | | | | | | | | | | | |
| III. Data Validation Report (Includes all raw data) | | | | | TURNAROUND REQUIREMENTS | | | | | *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE) | | | | | | | | | | | | | | | |
| IV. CLP Deliverable Report | | | | | 24 hr. 48 hr. | | | | | SPECIAL INSTRUCTIONS/COMMENTS: | | | | | | | | | | | | | | | |
| V. EDD | | | | | Standard (10-15 working days) | | | | | | | | | | | | | | | | | | | | |
| Provide FAX Results | | | | | Requested Report Date | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: [Signature] 11/2/04 3:40pm | | | | | RECEIVED BY: [Signature] 11/3/04 1000 | | | | | RELINQUISHED BY: | | | | | RECEIVED BY: | | | | | | | | | | |
| Signature: Mike Anderson | | | | | Signature: [Signature] | | | | | Signature: | | | | | Signature: | | | | | | | | | | |
| Printed Name: Mike Anderson | | | | | Printed Name: [Name] | | | | | Printed Name: | | | | | Printed Name: | | | | | | | | | | |
| Firm: Longview Fibre Co. | | | | | Firm: | | | | | Firm: | | | | | Firm: | | | | | | | | | | |

RCOC #1 06/03

LFC002559

SHORT HOLD TIME

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC Eel

Project/Client

LE FIBRE

Work Order K240

8734

Cooler received on

11/3/04

and opened on

11/3/04

by

sp

1. Were custody seals on outside of coolers?

If yes, how many and where?

2 B

ups

☒

N

2. Were custody seals intact?

☒

N

3. Were signature and date present on the custody seals?

☒

N

4. Is the shipper's airbill available and filed? If no, record airbill number:

129034660110002409

☒

N

5. COC#

Temperature of cooler(s) upon receipt: (°C)

2.2

Temperature Blank: (°C)

1.4

Were samples hand delivered on the same day as collection?

☒

N

6. Were custody papers properly filled out (ink, signed, etc.)?

☒

N

7. Type of packing material present

GEL PUCKS

8. Did all bottles arrive in good condition (unbroken)?

☒

N

9. Were all bottle labels complete (i.e analysis, preservation, etc.)?

☒

N

10. Did all bottle labels and tags agree with custody papers?

☒

N

11. Were the correct types of bottles used for the tests indicated?

☒

N

12. Were all of the preserved bottles received at the lab with the appropriate pH?

☒

N

13. Were VOA vials checked for absence of air bubbles, and if present, noted below?

☒

N

14. Did the bottles originate from CAS/K or a branch laboratory?

☒

N

15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?

☒

N

16. Was C12/Res negative?

☒

N

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
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| | | | | | | |

00011

SO3-000206D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORTMONITORING PERIOD for (year/quarter): 2004 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Out fall at Roof drain</u> | | | | | | |
|---|-----------------------|-------------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | <u>2.1</u> | | NTU | <u>Grab</u> | <u>1</u> |
| pH | Consistent Attainment | <u>7.61</u> | | Standard Units | <u>Grab</u> | <u>1</u> |
| Zinc (total) | Consistent Attainment | <u>108</u> | | µg/L | <u>Grab</u> | <u>1</u> |
| Oil & Grease | Consistent Attainment | <u>ND</u> | | mg/L | <u>Grab</u> | <u>1</u> |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

DATE: MO DAY YEAR

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

LFC002561

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2405871
Date Collected : 08/06/04
Date Received : 08/09/04

Turbidity

Analysis Method 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|--------------|--------------|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K2405871-001 | 0.2 | 1 | 08/10/04 | 2.1 | X |
| Method Blank | K2405871-MB | 0.2 | 1 | 08/10/04 | ND | |

Report By: AYaple

000 6

LFC002562

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2405871
Date Collected : 08/06/04
Date Received : 08/09/04

pH

Analysis Method 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|-------------|--------------|-----|--------------------|------------------|--------|-----------------|
| Roof Drain | K2405871-001 | - | 1 | 08/10/04 | 7.61 | |

Report By: AYaple

000 5

LFC002563

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K2405871
Date Collected : 08/06/04
Date Received : 08/09/04
Date Extracted : 08/20/04

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 08/25/04

| Sample Name | Lab Code | |
|--------------|--------------|-----|
| Roof Drain | K2405871-001 | 108 |
| Method Blank | K2405871-MB | ND |

Comments:

000 8

LFC002564

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

| | | |
|-----------------------|------------------------|----------------------------------|
| Client: | Longview Fibre Company | Service Request: K2405871 |
| Project: | Seattle Stormwater | Date Collected: 8/6/2004 |
| Sample Matrix: | Water | Date Received: 8/9/2004 |

Oil and Grease

| | | |
|---------------------|--------------|--------------------------|
| Sample Name: | Roof Drain | Units: mg/L (ppm) |
| Lab Code: | K2405871-001 | Basis: NA |
| Test Notes: | | |

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|------------------------|----------------------------|------------|----------------------------|---------------------------|--------------------------|---------------|-------------------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 8/17/2004 | 8/18/2004 | ND | |

Approved By: _____ Date: 8/23/04

IS22/020597p

05871PHC.cq1 - 18/23/2004

Page No.:

000 9

LFC002565

August 26, 2004

Service Request No: K2405871

Mike Anderson
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on August 9, 2004. For your reference, these analyses have been assigned our service request number K2405871.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 12

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

000 3

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Miscellaneous

Service Request No.: K2405871
Date Received: 8/09/04

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 8/09/04. The sample was received above the control limit for temperature of 6.0 °C at 20.8 °C. After consulting the client it was decided to proceed with testing. Otherwise the sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

Turbidity by EPA Method 180.1:

Samples Roof Drain was received past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time violation.

Total Metals

No anomalies associated with the analysis of these samples were observed.

Oil and Grease by EPA Method 1664

No anomalies associated with the analysis of these samples were observed.

Approved by _____

EW

Date

8/30/04

000 4

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -

INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K2405871

Sample Name :

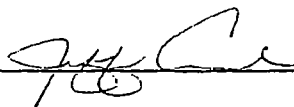
Roof Drain
Method Blank

Lab Code :

K2405871-001
K2405871-MB

Comments:

Approved By:



Date:



000 7

LFC002570

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

| | | |
|-----------------------|------------------------|----------------------------------|
| Client: | Longview Fibre Company | Service Request: K2405871 |
| Project: | Seattle Stormwater | Date Collected: NA |
| Sample Matrix: | Water | Date Received: NA |

Oil and Grease

| | | |
|---------------------|--------------|--------------------------|
| Sample Name: | Method Blank | Units: mg/L (ppm) |
| Lab Code: | K040817-WB | Basis: NA |
| Test Notes: | | |

| Analyte | Prep Method | Analysis Method | MRL | Dilution Factor | Date Extracted | Date Analyzed | Result | Result Notes |
|-----------------------------|------------------------|----------------------------|------------|----------------------------|---------------------------|--------------------------|---------------|-------------------------|
| Oil and Grease, Total (HEM) | METHOD | 1664 | 5.0 | 1 | 8/17/2004 | 8/18/2004 | ND | |

Approved By: _____ **Date:** 8/22/04

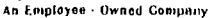
1522/020597p

05871PHC.qq1 - MB 8/23/2004

Page No.:

00010

LFC002571



**Columbia
Analytical
Services INC.**

An Employee-Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

CHAIN OF CUSTODY

SR#: 162405871

PAGE _____ OF _____ COC # _____

0001

[illegible]

RCOC #1 06/03

LFC002572

PC ED

Cooler received on 8/9/04 and opened on 8/9/07 by 1/0

- Y
- ~~NE~~

~~Y-N~~

- Y N

- Y
- ~~N~~

- 20.8

21.3

$$Y \sim N$$

- Y N

- Q N

- Y
- 

- Y
- ~~N~~

- Y N

- Y N

- $$Y \text{-----} N$$

- Q N

- Y N

- Y N

RESOLUTION: OK to test Ecuw 8/10/04

[illegible]

LFC002573

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2004 year Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology **every quarter**. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| Discharge Point <u>Outfall C1- Roof drain</u> | | | | | | |
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | | | NTU | | |
| pH | Consistent Attainment | | | Standard Units | | |
| Zinc (total) | Consistent Attainment | | | µg/L | | |
| Oil & Grease | Consistent Attainment | | | mg/L | Grab | |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

DATE: MO DAY YEAR

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Due to abnormal dry weather during this quarter we were unable to obtain a storm water sample.

SO3-000206D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2004 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>Roof drain to outfall #1</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 0.8 | | NTU | Grab | 1 |
| pH | Consistent Attainment | 7.28 | | Standard Units | Grab | 1 |
| Zinc (total) | Consistent Attainment | 83 | | µg/L | Grab | 1 |
| Oil & Grease | Consistent Attainment | ND | | mg/L | Grab | 1 |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT UP BETWEEN SIX MONTHS AND FIVE YEARS.)

| | |
|--|--|
| <p><u>Tom Craig Plant Manager</u> NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)</p> <p><u>[Signature]</u> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</p> | <p>DATE: MO DAY YEAR</p> <p><u>206-962-7170</u> TELEPHONE NUMBER</p> |
|--|--|

COMMENTS / EXPLANATIONS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2400673
Date Collected : 01/28/04
Date Received : 02/03/04

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------|--------------|-----|--------------------|------------------|--------|-----------------|
| #1 roof drain | K2400673-001 | 0.2 | 1 | 02/03/04 | 0.8 | X |
| Method Blank | K2400673-MB | 0.2 | 1 | 02/03/04 | ND | |

Report By: M Firth

00005

LFC002576

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2400673
Date Collected : 01/28/04
Date Received : 02/03/04

pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------|--------------|-----|--------------------|------------------|--------|-----------------|
| #1 roof drain | K2400673-001 | - | 1 | 02/03/04 | 7.28 | |

Report By:MFirth

00006

LFC002577

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K2400673
Date Collected : 01/28/04
Date Received : 02/03/04
Date Extracted : 02/06/04

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 02/12/04

| Sample Name | Lab Code | |
|---------------|--------------|----|
| #3 roof drain | K2400673-003 | 83 |
| Method Blank | K2400673-MB | ND |

Comments:

00008

LFC002578

February 19, 2004

Service Request No: K2400673

Mike Anderson
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

RE: Seattle Stormwater

Dear Mike:

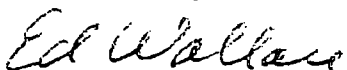
Enclosed are the results of the sample(s) submitted to our laboratory on February 3, 2004. For your reference, these analyses have been assigned our service request number K2400673.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jcb

Page 1 of 11

cc: Hank Rakoz, Longview Fibre
Dave Mendenhall, Longview Fibre

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency. |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

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Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Longview Fibre Co.
Project: Seattle Stormwater
Sample Matrix: Water

Service Request No.: K2400673
Date Received: 2/3/04

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Three water samples were received for analysis at Columbia Analytical Services on 2/3/04. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

Turbidity by EPA Method 180.1

Sample #1 roof drain was received past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time violation.

Total Metals

No anomalies associated with the analysis of these samples were observed.

Oil and Grease by EPA Method 1664

No anomalies associated with the analysis of these samples were observed.

Approved by _____

E. W. W. Date *2/20/04*

00004

LFC002582

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K2400673

Sample Name :

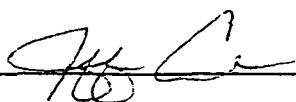
#3 roof drain
Method Blank

Lab Code :

K2400673-003
K2400673-MB

Comments:

Approved By: _____



Date: _____

2/13/04

00057

LFC002583

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2400673
Date Collected: 1/28/04
Date Received: 2/3/04
Date Extracted: 2/12/04
Date Analyzed: 2/13/04

Oil and Grease
EPA Method 1664
Units: mg/L (ppm)

Analyte: Oil & Grease, Total
Method Reporting Limit: (HEM)
5.0

| Sample Name | Lab Code | |
|---------------|--------------|----|
| #2 roof drain | K2400673-002 | ND |
| Method Blank | K040212-WB | ND |

Approved By: _____

2A/120594

00673PHC.CQ1 - SAMPLE 2/13/04

Date: _____

21304

Page No.:

00009

LFC002584



An Employee - Owned Company

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

SR#: K2400673

PAGE 1 OF 1 COC #

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[illegible]

RCOC #1 06/03

LFC002585

**Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form**

Project/Client Liv. Fibre Work Order K240 01673
Cooler received on 2/3/04 and opened on 2/3/04 by A-Juc11

1. Were custody seals on outside of coolers? Y ☒ N
If yes, how many and where? _____
2. Were seals intact and signature & date correct? Y ☒ N
3. Is the shipper's airbill available and filed? If no, record airbill number: 12905460310042247 Y N
4. COC# _____
Temperature of cooler(s) upon receipt: 5.4 _____
Temperature Blank: 4.9 _____
5. Were custody papers properly filled out (ink, signed, etc.)? ☒ Y N
6. Type of packing material present Styrofoam, wrap ☒ Y N
7. Did all bottles arrive in good condition (unbroken)? ☒ Y N
8. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ Y N
9. Did all bottle labels and tags agree with custody papers? Y ☒ N
10. Were the correct types of bottles used for the tests indicated? ☒ Y N
11. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ Y N
12. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y~~ N
13. Did the bottles originate from CAS/K or a branch laboratory? ☒ Y N
14. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ~~Y~~ N
15. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies: 1 STD w/ label labeled #1. COC says #1 Root drain. 1-12A Root labeled #2. COC says #2 Root drain. 1500 ml Root w/ no sample in on label. Placed as #3 Root drain by process of elimination. No tests marked on COC. Logged per bottles

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

00011

SO3-000206D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORTMONITORING PERIOD for (year/quarter): 2003
year

Jan/Feb/Mar

Apr/May/Jun

Jul/Aug/Sep

Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was **no discharge** or you have **suspended sampling** because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO OUTFALL #1</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 1.9 | | NTU | GRAB | 1 |
| pH | Consistent Attainment | 7 | | Standard Units | GRAB | 1 |
| Zinc (total) | Consistent Attainment | 54 | | µg/L | GRAB | 1 |
| Oil & Grease | Consistent Attainment | NO | | mg/L | Grab | 1 |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

Tom Craig - Plant Manager
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

1 19 2004
DATE: MO DAY YEAR

Tom Craig
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206-762-7170
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

LFC002587

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2308405
Date Collected : 10/22/03
Date Received : 10/24/03

Turbidity

Analysis Method 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------|--------------|-----|--------------------|------------------|--------|-----------------|
| #3 Roof Drain | K2308405-003 | 0.1 | 1 | 10/24/03 | 1.9 | |
| Method Blank | K2308405-MB | 0.1 | 1 | 10/24/03 | ND | |

000005

Report By: MShah

LFC002588

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : WATER

Service Request : K2308405
Date Collected : 10/22/03
Date Received : 10/24/03

pH

Analysis Method 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Dilution Factor | Date Analyzed | Result | Result Notes |
|---------------|--------------|-----|--------------------|------------------|--------|-----------------|
| #3 Roof Drain | K2308405-003 | - | 1 | 08/24/03 | 7.35 | |

000004

Report By: MShah

LFC002589

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K2308405
Date Collected : 10/22/03
Date Received : 10/24/03
Date Extracted : 11/06/03

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 11/12/03

| Sample Name | Lab Code | |
|---------------|--------------|----|
| #1 Roof Drain | K2308405-001 | 54 |
| Method Blank | K2308405-MB | ND |

Comments:

000007

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Longview Fibre Company
Project: Seattle Stormwater
Sample Matrix: Water

Service Request: K2308405
Date Collected: 10/22/03
Date Received: 10/24/03
Date Extracted: 10/28/03
Date Analyzed: 10/28/03

Oil and Grease
EPA Method 1664
Units: mg/L (ppm)

| Analyte: | Oil & Grease, Total (HEM) |
|-------------------------|---------------------------|
| Method Reporting Limit: | 5.0 |

| Sample Name | Lab Code | |
|---------------|--------------|----|
| #2 Roof Drain | K2308405-002 | ND |
| Method Blank | K031028-WB | ND |

Approved By: _____

Date: _____

2A/120594

08405PHC.CQ1 - SAMPLE 10/30/03

Page No.: 090003

LFC002591

November 13, 2003

Service Request No: K2308405

Jim Mantell
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

RE: Seattle Stormwater

Dear Jim:

Enclosed are the results of the sample(s) submitted to our laboratory on October 24, 2003. For your reference, these analyses have been assigned our service request number K2308405.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 10

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

000002

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

000003

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K2308405

Sample Name :

#1 Roof Drain
Method Blank

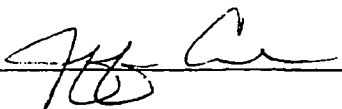
Lab Code :

K2308405-001
K2308405-MB

Comments:

000006

Approved By: _____



Date: _____

11/13/07

LFC002595

**Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form**

Project/Client LV FIBRE Work Order K23 8405
Cooler received on 10/24/03 and opened on 10/24/03 by [Signature]

1. Were custody seals on outside of cooler? Y ☒ N
If yes, how many and where? _____
2. Were seals intact and signature, & date correct? Y ☒ N
3. Is the shipper's airbill available and filed? If no, record airbill number: 179034660310041122 Y ☒ N
4. COC # _____
Temperature of cooler(s) upon receipt: 4.0 _____
Temperature Blank: N/A _____
5. Were custody papers properly filled out (ink, signed, etc.)? N ☒ N
6. Type of packing material present Bumpy, mtl
7. Did all bottles arrive in good condition (unbroken)? N ☒ N
8. Were all bottle labels complete (i.e. analysis, preservation, etc.)? N ☒ N
9. Did all bottle labels and tags agree with custody papers? N ☒ N
10. Were the correct types of bottles used for the tests indicated? N ☒ N
11. Were all of the preserved bottles received at the lab with the appropriate pH? N ☒ N
12. Were VOA vials checked for absence of air bubbles, and if present, noted below? N ☒ N
13. Did the bottles originate from CAS/K or a branch laboratory? N ☒ N
14. Are CWA Microbiology samples received with > 1/2 the 24 hr. hold time remaining from collection? N ☒ N
15. Was Cl2/Res negative? N ☒ N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
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LFC002597

COPY

SO3-000206D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORTMONITORING PERIOD for (year/quarter): 2003
year

Jan/Feb/Mar

Apr/May/Jun

Jul/Aug/Sep

Oct/Nov/Dec

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO OUTFALL #1</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 17.95 | 24.2 | NTU | GRAB | 2 |
| pH | Consistent Attainment | 7.26 | 7.28 | Standard Units | GRAB | 2 |
| Zinc (total) | Consistent Attainment | 323.5 | 355 | µg/L | GRAB | 2 |
| Oil & Grease | Consistent Attainment | | 6 | mg/L | Grab | 1 |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

Tom Craig Plant Manager
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

7 29 03
DATE: MO DAY YEAR

Tom Craig
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

206 762-7170
TELEPHONE NUMBER

COMMENTS/EXPLANATIONS

LFC002598

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K2303811
Date Collected : 05/20/03
Date Received : 05/22/03

Turbidity

Analysis Method : 180.1
Test Notes :

Units : NTU
Basis : NA

| Sample Name | Lab Code | MRL | Date Analyzed | Result | Result Notes |
|--------------------|--------------|-----|---------------|--------|--------------|
| Roof Drain #2 of 3 | K2303811-002 | 0.1 | 05/22/03 | 24.2 | |
| Method Blank | K2303811-MB | 0.1 | 05/22/03 | ND | |

Approved By



Date :

6/5/03

00005

Report By: MFirth

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K2303811
Date Collected : 05/20/03
Date Received : 05/22/03

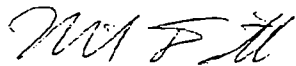
pH

Analysis Method : 150.1
Test Notes :

Units : pH UNITS
Basis : NA

| Sample Name | Lab Code | MRL | Date Analyzed | Result | Result Notes |
|--------------------|--------------|-----|---------------|--------|--------------|
| Roof Drain #2 of 3 | K2303811-002 | -- | 05/22/03 | 7.24 | |

Approved By



Date :

6/5/03

00006

Report By: MFirth

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA
Matrix : Water

Service Request : K2303811
Date Collected : 05/20/03
Date Received : 05/22/03
Date Extracted : 05/29/03

Total Metals
Units: ug/L (ppb)

Analyte: Zinc
EPA Method: 6010B
Method Reporting Limit: 10
Date Analyzed: 06/05/03

| Sample Name | Lab Code | |
|--------------------|--------------|-----|
| Roof Drain #1 of 3 | K2303811-001 | 355 |
| Method Blank | K2303811-MB | ND |

Comments:

00008

LFC002601

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project Number : NA
Sample Matrix : Water

Service Request : K2303811
Date Collected : 05/20/03
Date Received : 05/22/03

Biochemical Oxygen Demand (5-day)

Analysis Method : 405.1
Test Notes :

Units : mg/L (ppm)
Basis : NA

| Sample Name | Lab Code | MRL | Date Analyzed | Result | Result Notes |
|--------------------|--------------|-----|---------------|--------|--------------|
| Roof Drain #3 of 3 | K2303811-003 | 4 | 05/22/03 | 20 | |

Approved By



Date :

6/5/03

00004

Report By:MFirth

LFC002602

June 10, 2003

Service Request No: K2303811

Jim Mantell
Longview Fibre Company
5901 E. Marginal Way S.
Seattle, WA 98124

RE: Seattle Stormwater

Dear Jim:

Enclosed are the results of the sample(s) submitted to our laboratory on May 22, 2003. For your reference, these analyses have been assigned our service request number K2303811.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291.

Respectfully submitted,

Columbia Analytical Services, Inc.



Ed Wallace
Project Chemist

EW/jeb

Page 1 of 10

cc: Dave Mendenhall, Longview Fibre
Hank Rakoz, Longview Fibre

Acronyms

| | |
|------------|--|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

00002

Inorganic Data Qualifiers

- The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

- The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

00003

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Seattle Stormwater
Project No. : NA

Service Request : K2303811

Sample Name :

Roof Drain #1 of 3
Method Blank

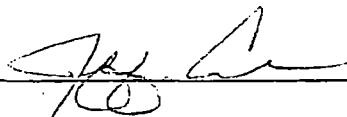
Lab Code :

K2303811-001
K2303811-MB

Comments:

00007

Approved By: _____



Date: _____



CHAIN OF CUSTODY

SR#: K2303811
1 COC # 9

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE 1 OF 1 COC #

[illegible]

RCOC #1 04/02


LFC002607

Project/Client Lv. Fibre Work Order K23 3811
Cooler received on 5/22/03 and opened on 5/22/03 by cm

- Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|--|---------|--------|------------|-------------|--------------------------|----------|
| <div style="text-align: center;">  <p>UPS Ground</p> <p>1Z 903 466 03 1003 741 3</p> <p>TRACKING NUMBER</p> <p>1077 M</p> </div> | | | | | | |
| | | | | | | |

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LFC002608

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Project/Client Pope & Talbot Work Order K23 03797
Cooler received on 5/21/03 and opened on 5/24/03 by T Black

1. Were custody seals on outside of cooler?
If yes, how many and where? 1 front ☒ N
2. Were seals intact and signature & date correct? ☒ N
3. Is the shipper's airbill available and filed? If no, record airbill number: 96110742 664136 ☒ N
4. COC # _____
Temperature of cooler(s) upon receipt: 4.5 _____
Temperature Blank: 3.1 _____
5. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
6. Type of packing material present inserts - gel pads
7. Did all bottles arrive in good condition (unbroken)? ☒ N
8. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ N
9. Did all bottle labels and tags agree with custody papers? ☒ N
10. Were the correct types of bottles used for the tests indicated? ☒ N
11. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ N
12. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ N
13. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
14. Are CWA Microbiology samples received with > 1/2 the 24 hr. hold time remaining from collection? ~~Y~~ N
15. Was Cl2/Res negative? ~~Y~~ N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

| Sample ID | Reagent | Volume | Lot Number | Bottle Type | Rec'd out of Temperature | Initials |
|-----------|---------|--------|------------|-------------|--------------------------|----------|
| | | | | | | |
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SO3-000206D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2003 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

LONGVIEW FIBRE SEATTLE
Location: 5901 E MARGINAL WAY S
County: KING

Primary SIC Code: 2653

Mailing Information

LONGVIEW FIBRE COMPANY
PO BOX 639
LONGVIEW WA 98632-7411

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

| Discharge Point <u>ROOF DRAIN TO DUST FALL #1</u> | | | | | | |
|---|-----------------------|---------|---------|----------------|-------------|----------------|
| There was no qualifying storm event this quarter so no values are entered below (see explanation) | | | | | | |
| Quarterly Monitoring | | AVERAGE | MAXIMUM | UNITS | Sample Type | Events Sampled |
| Turbidity | Consistent Attainment | 17.95 | 24.2 | NTU | GRAB | 2 |
| pH | Consistent Attainment | 7.26 | 7.28 | Standard Units | GRAB | 2 |
| Zinc (total) | Consistent Attainment | 323.5 | 355 | µg/L | GRAB | 2 |
| Oil & Grease | Consistent Attainment | | 6 | mg/L | Grab | 1 |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

Tom Craig Plant Manager 7 29 03
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED) DATE: MO DAY YEAR
Tom Craig 206 762-7170
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

LFC002610